

## Recombinant Mouse Tnfrsf12a, Fc Chimera

**Cat. No.** Tnfrsf12a-2085M    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Recombinant Mouse Tnfrsf12a is produced in <i>HEK 293 Cells</i> . The extracellular domain of mouse Fn14 (aa 1-75) is fused to the Fc portion of human IgG1. MW=34kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Length</b>    | 1-75 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>       | The fibroblast growth factor-inducible-14 (Fn14) is a 129 aa type Ia transmembrane protein. Fn14 is a growth-factor regulated, immediate-early response protein. It is expressed in a developmental and adult tissue-specific manner. Fn14 expression decreases cellular adhesion to extracellular matrix proteins fibronectin and vitronectin and reduces cell growth and migration. It is expressed at high levels in liver cancer cells, in hepatocellular carcinoma specimens as well as in regenerating liver cells showing Fn14 may play a role in hepatocyte growth and liver neoplasia. Fn14 has recently been described to bind TWEAK [Apo-3 Ligand], a member of the TNF family. |
| <b>Purity</b>            | ≥95% (SDS-PAGE).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>     | 0.1mg/ml after reconstitution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>       | Lyophilized. Contains PBS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin Content</b> | <0.1EU/g purified protein (LAL test; BioWhittaker).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>         | Binds human and mouse TWEAK.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Biological Activity</b> | Inhibits TWEAK-mediated killing of Kym-1 target cells. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>             | Stable for at least 6 months after receipt when stored at -20°C.                                                                                                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>           | Tnfrsf12a tumor necrosis factor receptor superfamily, member 12a [ <i>Mus musculus</i> ]                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>            | Tnfrsf12a; tumor necrosis factor receptor superfamily, member 12a; FGF-inducible 14; fibroblast growth factor regulated protein 2; fibroblast growth factor-inducible immediate-early response protein 14; fibroblast growth factor-regulated protein 2; tumor necrosis factor receptor superfamily member 12A; tweak-receptor; type I transmembrane protein Fn14; Fn14; HPIP; C87282; TweakR; TWEAK-R; AI255180 |
| <b>Gene ID</b>             | <a href="#">27279</a>                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_001161746</a>                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>      | <a href="#">NP_001155218</a>                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | <a href="#">Q9CR75</a>                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 17 A3.3                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Cytokine-cytokine receptor interaction                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>            | protein binding; receptor activity                                                                                                                                                                                                                                                                                                                                                                               |