

Recombinant Mouse Tnfrsf12a, Fc Chimera

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Protein Length	1-75 a.a.
Description	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.
Purity	≥95% (SDS-PAGE).
Concentration	0.1mg/ml after reconstitution.
Formulation	Lyophilized. Contains PBS.
Endotoxin Content	<0.1EU/g purified protein (LAL test; BioWhittaker).

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Specificity	Binds human and mouse TWEAK.
Biological Activity	Inhibits TWEAK-mediated killing of Kym-1 target cells. Avoid freeze/thaw cycles.
Storage	Stable for at least 6 months after receipt when stored at -20°C.
GENE INFORMATION	
Gene Name	Tnfrsf12a tumor necrosis factor receptor superfamily, member 12a [<i>Mus musculus</i>]
Synonyms	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
Gene ID	27279
mRNA Refseq	NM_001161746
Protein Refseq	NP_001155218
UniProt ID	Q9CR75
Chromosome Location	17 A3.3
Pathway	Cytokine-cytokine receptor interaction
Function	protein binding; receptor activity