

# Active Recombinant Human TNFRSF13B, Fc-tagged, Biotinylated

**Cat. No.** TNFRSF13B-693H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The recombinant human TACI-Fc fusion is expressed as a 391 amino acid protein consisting of Ser2 - Ser165 region of TACI (UniProt accession #O14836) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                            |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 2-165 a.a.                                                                                                                                                                                                                                       |
| <b>Form</b>             | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).                                                                                    |
| <b>Bio-activity</b>     | Binds to its ligand BAFF. Inhibits BAFF-mediated signaling activities including NF-κB activation and proliferation of anti-IgM co-stimulated B cells.                                                                                            |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 43.9; Estimated by SDS-PAGE under reducing condition (kDa): 45-50                                                                                                                                               |
| <b>Endotoxin</b>        | <0.1 eu per 1 μg of purified recombinant protein determined by the LAL>                                                                                                                                                                          |
| <b>Purity</b>           | >95% judged by SDS-PAGE under reducing condition                                                                                                                                                                                                 |

 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

**Storage** The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** TNFRSF13B tumor necrosis factor receptor superfamily, member 13B [ Homo sapiens ]

**Official Symbol** TNFRSF13B

**Synonyms** TNFRSF13B; tumor necrosis factor receptor superfamily, member 13B; tumor necrosis factor receptor superfamily member 13B; CD267; TACI; tumor necrosis factor receptor 13B; transmembrane activator and CAML interactor; CVID; CVID2; TNFRSF14B; FLJ39942; MGC39952; MGC133214;

**Gene ID** 23495

**mRNA Refseq** NM\_012452

**Protein Refseq** NP\_036584

**MIM** 604907

**UniProt ID** O14836

**Chromosome** 17p11.2

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| Location |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pathway  | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem; Syndecan-2-mediated signaling events, organism-specific biosystem; |
| Function | protein binding; receptor activity;                                                                                                                                                                                                                                                                                                                                                                                                                      |

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