

# Active Recombinant Mouse Tnfrsf13c protein, Fc & Avi-tagged, Biotinylated

**Cat. No.** Tnfrsf13c-1820M    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Biotinylated Mouse BAFFR /TNFRSF13C, Fc Tag, Avi Tag is expressed from human 293 cells (HEK293). It contains AA Ser 10 - Ala 71 (Accession # NP\_082351).  
Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

**Species**      Mouse

**Source**      HEK293

**ProteinLength**      AA Ser 10 - Ala 71

**Description**      BAFF receptor (B-cell activating factor receptor, BAFF-R), also known as tumor necrosis factor receptor superfamily member 13C (TNFRSF13C), is a membrane protein of the TNF receptor superfamily which recognizes BAFF. B-cell activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of BAFF in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells.

**Predicted N Terminal**      Ser 10

 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>Form</b>           | Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.                                                                                                                                                                                                  |
| <b>Bio-activity</b>   | Immobilized Human BAFF, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Mouse BAFFR, Fc Tag with a linear range of 0.5-8 ng/mL.                                                                                                                                                            |
| <b>Molecular Mass</b> | This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag. The protein has a calculated MW of 35.1 kDa. As a result of glycosylation, the protein migrates as 45-60 kDa under reducing (R) condition, and 90-116 kDa under non-reducing (NR) condition (SDS-PAGE).      |
| <b>Endotoxin</b>      | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                       |
| <b>Purity</b>         | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                  |
| <b>Storage</b>        | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                    |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                                                                           |

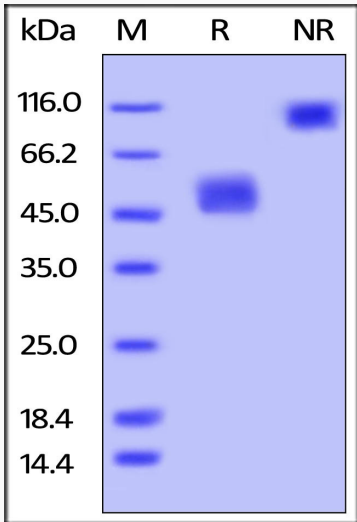
## GENE INFORMATION

|                        |                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Tnfrsf13c tumor necrosis factor receptor superfamily, member 13c [ Mus musculus (house mouse) ] |
| <b>Official Symbol</b> | Tnfrsf13c                                                                                       |

 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>Synonyms</b>       | Bcmd; Baffr; Bcmd1; BAFF-R; Bcmd-1; Lvis22; 2010006P15Rik; B-cell maturation defect 1; B-cell-activating factor receptor; BAFF receptor; BLyS receptor 3; b cell-activating factor receptor                                                                                                                       |
| <b>Gene ID</b>        | 72049                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>    | NM_028075.2                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b> | NP_082351.1                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>     | Q9D8D0                                                                                                                                                                                                                                                                                                            |
| <b>SDS-PAGE</b>       |  <p>Biotinylated Mouse BAFFR /TNFRSF13C, Fc Tag, Avi Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.</p> |