

## Recombinant Human TNFRSF13C, Fc-tagged therapeutic protein

Cat. No. TNFRSF13C-P08H    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

The therapeutic protein is a fusion protein consisting of extracellular domain of human BAFF-R fused to the fragment crystallizable region (Fc) of human IgG1.

#### Species

Human

#### Description

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. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival.

#### Endotoxin

< 0.1 EU per µg of the protein

#### Purity

>97%

### GENE INFORMATION

#### Gene Name

TNFRSF13C tumor necrosis factor receptor superfamily, member 13C [ Homo sapiens ]

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | <a href="#">TNFRSF13C</a>                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | TNFRSF13C; tumor necrosis factor receptor superfamily, member 13C; tumor necrosis factor receptor superfamily member 13C; BAFFR; CD268; BAFF receptor; BLyS receptor 3; B cell-activating factor receptor; B-cell-activating factor receptor; CVID4; BAFF-R; BROMIX; prolixin; MGC138235;                                                                                                                                    |
| <b>Gene ID</b>             | <a href="#">115650</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | <a href="#">NM_052945</a>                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | <a href="#">NP_443177</a>                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | <a href="#">606269</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | <a href="#">Q96RJ3</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 22q13.1-q13.3                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Primary immunodeficiency, organism-specific biosystem; |
| <b>Function</b>            | receptor activity;                                                                                                                                                                                                                                                                                                                                                                                                           |