

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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Official Symbol	TNFRSF13C
Synonyms	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;
Gene ID	115650
mRNA Refseq	NM_052945
Protein Refseq	NP_443177
MIM	606269
UniProt ID	Q96RJ3
Chromosome Location	22q13.1-q13.3
Pathway	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;
Function	receptor activity;

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