

Bioactive

TNFRSF13C (Human) Recombinant Protein

Catalog # P3588

Size 50 ug

Specification

Product Description	Human TNFRSF13C (Q96RJ3, 1 a.a. - 79 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MRRGPRSLRGRDAPAPTPCVPACFDLLVRHCVACGLLRTPRKPAGASSPAPRTALQPQESV GAGAGEAALPLPGLL
Host	Escherichia coli
Theoretical MW (kDa)	9
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED ₅₀ was determined by the ability to block BAFF induced survival of splenocyte cells, and was found to be in the range of 1.0-5.0 ug/mL.
Storage Buffer	Lyophilized from 2.5% glycine, 0.5% sucrose, 0.01% Tween 80, 5 mM Glutamic acid, pH 4.5
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — TNFRSF13C

Entrez GeneID [115650](#)

Protein Accession# [Q96RJ3](#)

Gene Name TNFRSF13C

Gene Alias BAFF-R, BAFFR, CD268, MGC138235

Gene Description tumor necrosis factor receptor superfamily, member 13C

Omim ID [606269](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations B cell-activating factor receptor|BAFF receptor|OTTHUMP00000028746

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Primary immunodeficiency](#)

Disease

- [Common Variable Immunodeficiency](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoproliferative Disorders](#)

- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)