

Active Recombinant Human Tumor Necrosis Factor (Ligand) Superfamily, Member 13b

Cat. No. TNFSF13B-352H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFSF13B was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	BAFF Receptor (BAFFR), a member of the TNFR superfamily, is highly expressed in spleen, lymph node, and resting B cells and to some extent in activated B cells, resting CD4+ cells and peripheral blood leukocytes. BAFFR is a type III transmembrane protein that binds with high specificity to BAFF (TNFSF13B). BAFFR/BAFF signaling plays a critical role in B cell survival and maturation.
Form	Supplied as a lyophilized powder.
Purity	>95% pure by SDS PAGE and HPLC
Sequence	Region of BAFF Receptor protein corresponding to amino acids MRRGPRSLRG RDAPAPTPCV PAECFDLLVR HCVACGLLRT PRPKPAGASS PAPRTALQPQ ESGAGAGEA ALPLPG.
Molecular Mass	7.7 kDa
Applications	Numerous applications are possible with this product and should be tested by the end

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user under their own laboratory conditions

Endotoxin Levels Endotoxin level is less than 0.1 ng per ug (1 EU/ug)

Bioactivity Determined by its ability to bl DEG Ck BAFF induced mouse splen DEG Cyte survival. The expected ED50 for this effect is 2.0-4.0 ug/ml in the presence of 1.0ug/ml of human soluble BAFF.

Storage Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name TNFSF13B tumor necrosis factor (ligand) superfamily, member 13b [Homo sapiens]

Official Symbol TNFSF13B

Synonyms tumor necrosis factor (ligand) superfamily, member 13b; DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20; TNFSF13B; delta BAFF; B-lymphocyte stimulator; tumor necrosis factor superfamily, member 13b; B-cell activating factor; ApoL related ligand TALL-1; TNF homolog that activates apoptosis; dendritic cell-derived TNF-like molecule; tumor necrosis factor-like protein ZTNF4; TNF and ApoL-related leukocyte expressed ligand 1; tumor necrosis factor (ligand) superfamily, member 20; BLYS; OTTHUMP00000018691; B cell-activating factor; B-lymphocyte stimulator; CD257 antigen; Dendritic cell-derived TNF-like molecule; TNF- and APOL-related leukocyte expressed ligand 1

Gene ID 10673

mRNA Refseq NM_001145645

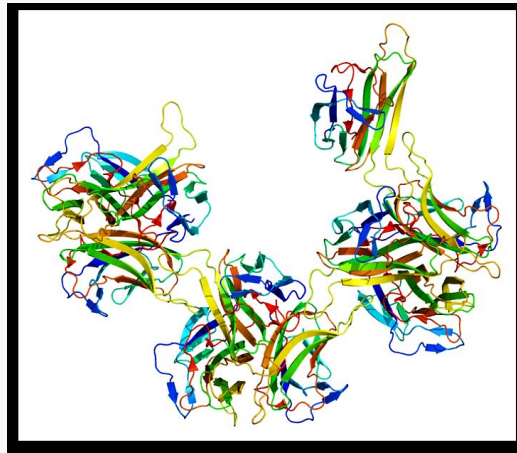
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Protein Refseq	NP_001139117
MIM	603969
UniProt ID	Q9Y275
Chromosome Location	13q32-q34
Pathway	Cytokine-cytokine receptor interaction; Intestinal immune network for IgA production; Rheumatoid arthritis
Function	protein binding; tumor necrosis factor receptor binding; cytokine activity; receptor binding

PDBrendering based on 1jh5.



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