

Recombinant Human TNFSF13B, FLAG-tagged

Cat. No. TNFSF13B-26301TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment Human BAFF with an N terminal DDDDK tag; MWt 23 kDa .
Species	Human
Source	E.coli
ProteinLength	152 amino acids
Description	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells. Alternatively spliced transcript variants encoding distinct isoforms have been identified.
Conjugation	FLAG
Molecular Weight	23.000kDa inclusive of tags
Tissue specificity	Abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. Also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells. A lower expression seen in placenta, heart, lung, fetal liver,
Biological activity	Binds to Human and Mouse BAFFR, TACI and BCMA. Relative binding affinity (EC50) for BAFFR (Human): ~3ng/ml.

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Form	Lyophilised: Reconstitute with 100µl sterile water to give a final concentration of 0.1mg/ml.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: PBS
Storage	Store at -20°C, Stable for 6 months at -20°C
Sequence Similarities	Belongs to the tumor necrosis factor family.

GENE INFORMATION

Gene Name	TNFSF13B tumor necrosis factor (ligand) superfamily, member 13b [Homo sapiens]
Official Symbol	TNFSF13B
Synonyms	TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; TNFSF20; tumor necrosis factor ligand superfamily member 13B; BAFF; BLYS; CD257; TALL 1; TALL1; THANK;
Gene ID	10673
mRNA Refseq	NM_001145645
Protein Refseq	NP_001139117
MIM	603969
Uniprot ID	Q9Y275

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Chromosome Location	13q32-q34
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Rheumatoid arthritis, organism-specific biosystem;
Function	cytokine activity; protein binding; receptor binding; tumor necrosis factor receptor binding;

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