

Recombinant Human Tumor Necrosis Factor (ligand) Superfamily, Member 13b, His-tagged

Cat. No. TNFSF13B-395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF13B is a protein composed of 18-20 kDa, 151 amino residues and it contains a 10-His-tag at the N-terminal end and is purified by sequential chromatography.
Species	Human
Description	TNFSF13B is a single-pass type II membrane protein. It belongs to the tumor necrosis factor family. TNFSF13B is abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. TNFSF13B is also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells.
Form	Recombinant human BAFF is lyophilized from 20 mM PBS buffer pH 7 and 0.2 M NaCl.
Purity	> 97% by SDS-PAGE gel
M.W	18-20 kDa
Endotoxin Level	< 0.04 EU/μg protein (LAL method)
Sequence	HHHHHHHHHHAVQGPEETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGS ALEKENKILVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSLVT LFRCIQNMPETLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL

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p.I	6.03
Extinction coeff	Abs 0.1% (1g/l) =0.791
Reconstitution Recommendation	Lyophilized protein should be reconstituted in water to a concentration of 25-50 ng / µl.
Biological Activity	≤ 50 ng/mL. The activity is determined by dose-dependent stimulation of proliferation B cell from Human PBMC. Cell proliferation was measured by MTT method. Activity results may vary with PBMC donors.
Storage	This lyophilized preparation is stable at 2-8°C. For long storage should be kept at -20°C. Avoid repeated freeze-thaw cycles.
Official Symbol	TNFSF13B
Pathways	Cytokine-cytokine receptor interaction; Intestinal immune network for IgA production; Rheumatoid arthritis

GENE INFORMATION

Gene Name	TNFSF13B tumor necrosis factor (ligand) superfamily, member 13b [Homo sapiens]
Synonyms	TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20; tumor necrosis factor ligand superfamily member 13B; delta BAFF; Delta4 BAFF; OTTHUMP00000018691; B-lymphocyte stimulator; 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; Tumor necrosis factor ligand superfamily member 13B; Dendritic cell-derived TNF-like molecule

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Gene ID	10673
mRNA Refseq	NM_001145645
Protein Refseq	NP_001139117
MIM	603969
UniProt ID	Q9Y275
Chromosome Location	13q32-q34
Function	cytokine activity;receptor activity; protein binding; tumor necrosis factor receptor binding
PDBrendering based on 1jh5	

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