

Recombinant Human TNFSF13B Protein, Ala134-Leu285, N-10×His tagged

Cat. No. TNFSF13B-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF13B Protein (Ala134-Leu285) with N-10×His was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	Ala134-Leu285
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.
Bio-activity	Measured in a cell proliferation assay using anti-IgM stimulated mouse B cells. The ED50 for this effect is 0.4-2 ng/mL in the presence of goat anti-mouse IgM μ chain.
Molecular Mass	Predicted Molecular Mass: 19.6 kDa SDS-PAGE: 22-29 kDa, reducing conditions
Endotoxin	<0.10 EU/ μ g of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
N-terminal Sequence Analysis	Met
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS, EDTA and DTT with BSA as a carrier protein.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
References	1. Lied, G.A. and A. Berstad (2011) Scand. J. Immunol. 73:1. 2. Mackay, F. et al. (2010) Immunol. Rev. 237:205. 3. Moore, P.A. et al. (1999) Science 285:260.

GENE INFORMATION

Gene Name	TNFSF13B TNF superfamily member 13b [Homo sapiens (human)]
Official Symbol	TNFSF13B
Synonyms	TNFSF13B; TNF superfamily member 13b; DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNLG7A; TNFSF20; tumor necrosis factor ligand

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superfamily member 13B; ApoL related ligand TALL-1; B-cell-activating factor; B-lymphocyte stimulator; Delta4 BAFF; TNF and ApoL-related leukocyte expressed ligand 1; TNF homolog that activates apoptosis; delta BAFF; dendritic cell-derived TNF-like molecule; epididymis secretory sperm binding protein; tumor necrosis factor (ligand) superfamily, member 13b; tumor necrosis factor (ligand) superfamily, member 20; tumor necrosis factor ligand 7A; tumor necrosis factor superfamily member 13b; tumor necrosis factor-like protein ZTNF4

Gene ID	10673
mRNA Refseq	NM_006573
Protein Refseq	NP_006564
MIM	603969
UniProt ID	Q9Y275