

Active Recombinant Human TNFSF13B Protein (Ala134-Leu285), C-His tagged, Animal-free, Carrier-free

Cat. No. TNFSF13B-09H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF13B Protein (Ala134-Leu285) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala134-Leu285
Description	BAFF also known as BLYS, TALL-1 and TNFSF13B, which belongs to tumor necrosis factor family. BAFF is a 31.2 kDa type II transmembrane protein containing 285 residues that predominantly produced by myeloid cells. BAFF has been demonstrated to activate the survival of B-cells and the B-cell response by binding to BAFFR/BR3. Additionally, BAFF also takes part in regulating B and T cell function via forming two ligands-two receptors pathway through sharing TNFRSF13B/TACI and TNFRSF17/BCMA receptors with APRIL.
Form	Lyophilized
Bio-activity	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is < 0.5 ng/mL.
Molecular Mass	The protein has a calculated MW of 17.98 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	TNFSF13B tumor necrosis factor (ligand) superfamily, member 13b [Homo sapiens (human)]
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; delta BAFF; Delta4 BAFF; 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)

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superfamily, member 20; DTL; ZTNF4; TALL-1;

Gene ID 10673

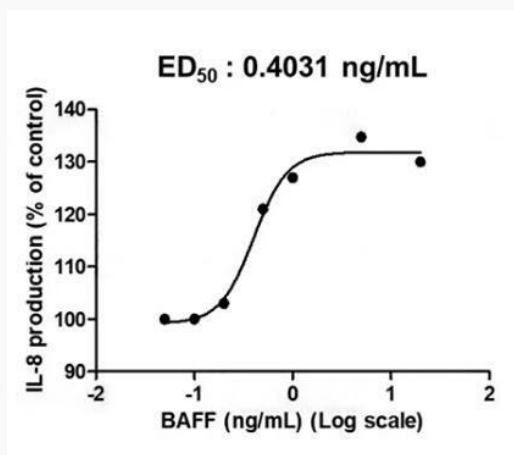
mRNA Refseq NM_001145645

Protein Refseq NP_001139117

MIM 603969

UniProt ID Q9Y275

Activity



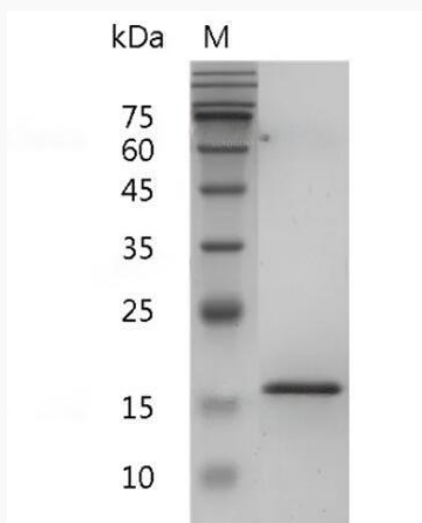
Human BAFF, His Tag, E. coli (LDG128PHE) induced IL-8 secretion in human PBMCs, with the ED₅₀ at 0.4031 ng/mL.

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**SDS-PAGE analysis
of recombinant
human BAFF.**



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