

Active Recombinant Human TNFSF13B Protein, Avi-tagged, Biotinylated

Cat. No. TNFSF13B-552H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human TNFSF13B Protein (Ala 134 - Leu 285) (AAH20674.1), fused with a polyhistidine tag at the N-terminus, followed by an Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
Protein Length	Ala 134 - Leu 285
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, pH7.4, 10% trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human BCMA, Fc Tag at 5µg/mL (100 µL/well) can bind Biotinylated Human BAFF with a linear range of 0.24-3.9 ng/mL. Immobilized Human BCMA, His Tag at 5µg/mL (100 µL/well) can bind Biotinylated Human BAFF with a linear range of 0.24-3.9 ng/mL.
Molecular Mass	Recombinant Human TNFSF13B Protein has a calculated MW of 29.2 kDa. As a result of glycosylation, The protein migrates as 29 kDa under reducing (R) condition and 58 kDa under non-reducing (NR) condition on SDS-PAGE gel.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

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; 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) superfamily, member 20; DTL; ZTNF4; TALL-1;
Gene ID	10673
mRNA Refseq	NM_001145645
Protein Refseq	NP_001139117

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MIM	603969
UniProt ID	Q9Y275
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; Rheumatoid arthritis, conserved biosystem;
Function	cytokine activity; protein binding; receptor binding; tumor necrosis factor receptor binding;

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