# Active Recombinant Human TNFSF13B Protein, Avi-tagged, Biotinylated

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

## SPECIFICATION

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| **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 |
| **ProteinLength** | 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 -70ºC. |
| **Storage** | Store it under sterile conditions at -20ºC~-70ºC. 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℃ before opening to recover the entire contents. |
| **Conjugation** | Biotin |

## GENE INFORMATION

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| **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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