

Active Recombinant Human TNFSF13 protein, Fc-Avi-tagged, Biotinylated

Cat. No. TNFSF13-2886H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human TNFSF13 protein(Ala 105-Leu 250), fused with Fc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala 105-Leu 250
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human BCMA, His Tag at 2 μg/mL (100 μL/well) can bind Biotinylated Human APRIL, Fc,Avitag with a linear range of 1-20 ng/mL.Immobilized Human BCMA, His Tag at 2 μg/mL (100 μL/well) can bind pre-mixed increasing concentrations of Anti-BCMA MAb (Mouse IgG1, the antibody was co developed by SCT and ACROBiosystems) and 0.05 μg/mL (100 μL/well) Biotinylated Human APRIL, Fc,Avitag with a half maximal inhibitory concentration (IC50) of 4.624 μg/mL.Immobilized Human TACI/TNFRSF13B, Fc Tag at 5 μg/mL (100 μL/well) can bind Biotinylated Human APRIL, Fc,Avitag with a linear range of 5-78 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminus, followed by an Avi tag.The protein has a calculated MW of 44.6 kDa. The protein migrates as 45-50 kDa

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	under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	TNFSF13 tumor necrosis factor (ligand) superfamily, member 13 [Homo sapiens]
Official Symbol	TNFSF13
Synonyms	TNFSF13; tumor necrosis factor (ligand) superfamily, member 13; tumor necrosis factor ligand superfamily member 13; APRIL; CD256; a proliferation-inducing ligand; tumor necrosis factor-like protein ZTNF2; tumor necrosis factor-related death ligand-1; TNF- and APOL-related leukocyte expressed ligand 2; TALL2; ZTNF2; TALL-2; TRDL-1; FLJ57090; UNQ383/PRO715;
Gene ID	8741
mRNA Refseq	NM_001198622

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Protein Refseq	NP_001185551
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MIM	604472
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UniProt ID	O75888
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