

Recombinant Human TNFSF13, FLAG-tagged

Cat. No. TNFSF13-2091H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanTNFSF13 Produced inHEK 293 cells. The extracellular domain of human APRIL (aa 88-233) is fused at the N-terminus to human ACRP30headless (aa 16-108) and a FLAG-tag. MW=34kDa (SDS-PAGE).
Species	Human
Source	HEK293
ProteinLength	88-233;16-108 a.a.
Description	The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF17/BCMA, a member of the TNF receptor family. This protein and its receptor are both found to be important for B cell development. In vitro experiments suggested that this protein may be able to induce apoptosis through its interaction with other TNF receptor family proteins such as TNFRSF6/FAS and TNFRSF14/HVEM.
Concentration	0.1mg/ml after reconstitution.
Purity	≥95% (SDS-PAGE).
Formulation	Lyophilized. Contains PBS.
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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Reconstitution	Reconstitute with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
Specificity	Binds to human and mouse BCMA and TACI. Binds to proteoglycans.
Biological Activity	Stimulates proliferation of serum-starved NIH 3T3 cells. Stimulates B cell proliferation.
Long Term Storage	-20°C.
Handling	Stable for at least 6 months after receipt when stored at -20°C.
Stability	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.

GENE INFORMATION

Gene Name	TNFSF13 tumor necrosis factor (ligand) superfamily, member 13 [Homo sapiens]
Synonyms	TNFSF13; tumor necrosis factor (ligand) superfamily, member 13; APRIL; CD256; TALL2; TRDL-1; ligand; UNQ383/PRO715; TALL-2; TNF-related death ligand 1; a proliferation inducing ligand; a proliferation-inducing ligand; tumor necrosis factor-related death ligand-1; TNF- and APOL-related leukocyte expressed ligand 2; tumor necrosis factor ligand superfamily member 13 epsilon; tumor necrosis factor (ligand) superfamily member 13 transcript variant delta
Gene ID	8741
mRNA Refseq	NM_003808
Protein Refseq	NP_003799
MIM	604472

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UniProt ID	O75888
Chromosome Location	17p13.1
Pathway	Cytokine-cytokine receptor interaction; Intestinal immune network for IgA production
Function	cytokine activity; protein binding; receptor binding; tumor necrosis factor receptor binding

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