

## Recombinant Human TNFSF13, FLAG-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFSF13 Produced in <i>HEK 293 cells</i> . The extracellular domain of human APRIL (aa 88-233) is fused at the N-terminus to human ACRP30 headless (aa 16-108) and a FLAG-tag. MW=34kDa (SDS-PAGE).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Protein Length</b>	88-233;16-108 a.a.
<b>Description</b>	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.
<b>Concentration</b>	0.1mg/ml after reconstitution.
<b>Purity</b>	≥95% (SDS-PAGE).
<b>Formulation</b>	Lyophilized. Contains PBS.
<b>Endotoxin Content</b>	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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

## GENE INFORMATION

<b>Gene Name</b>	TNFSF13 tumor necrosis factor (ligand) superfamily, member 13 [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	8741
<b>mRNA Refseq</b>	NM_003808
<b>Protein Refseq</b>	NP_003799
<b>MIM</b>	604472

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

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