

Recombinant Human tumor necrosis factor (ligand) superfamily, member 13, T7 tagged

Cat. No. TNFSF13-505H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TNFSF13, 105-247aa Human, T7-tagged, E.coli
Species	Human
Source	E.coli
ProteinLength	105-247 a.a.
Description	TNFSF13 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. TNFSF13 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. Alternative splicing results in multiple transcript variants. Recombinant human TNFSF13 protein, fused to T7-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	17.6kDa (159aa)
AA Sequence	MASMTGGGQQM GRGSHMAVLT QKQKKQHSLV HLPINATSK DDSDVTEVMW QPALRRGRGL QAQGYGVRIQ DAGVYLLYSQ VLFQDVTFTM GQVVSREGQG RQETLFR CIR SMPSHPD RAY NSCYSAGVFH LHQGDILSVI IPRARAKLNL

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	SPHGTFLGL
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
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
Protein Refseq	NP_001185551
MIM	604472
UniProt ID	O75888

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Chromosome Location	17p13.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Gene Expression, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem;
Function	cytokine activity; receptor binding; tumor necrosis factor receptor binding;

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