

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | TNFSF13, 105-247aa Human, T7-tagged, E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 105-247 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>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.</p> |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 17.6kDa (159aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | <p>MASMTGGGQQM GRGSHMAVLT QKQKKQHSLV HLPINATSK DDSDVTEVMW<br/>         QPALRRGRGL QAQGYGVRIQ DAGVYLLYSQ VLFQDVTFTM GQVVSREGQG<br/>         RQETLFR CIR SMPSHPD RAY NSCYSAGVFH LHQGDILSVI IPRARAKLNL</p>                                                                                                                                                                                                                                                                                                                                                                                        |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | SPHGTFLGL                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | >85% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | 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.                                                                                                                                                                                                                    |
| <b>Concentration</b>    | 1mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>        | TNFSF13 tumor necrosis factor (ligand) superfamily, member 13 [ Homo sapiens ]                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | TNFSF13                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 8741                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_001198622                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_001185551                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>              | 604472                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>       | O75888                                                                                                                                                                                                                                                                                                                                                                |

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chromosome Location</b> | 17p13.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | cytokine activity; receptor binding; tumor necrosis factor receptor binding;                                                                                                                                                                                                                                                                                                                                                                                                       |

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