

## Recombinant Human TNFSF13B, FLAG-tagged

TNFSF13B-26301TH Human

Lot. No. (See product label)

### Specification

<b>Product Overview</b>	Recombinant fragment Human BAFF with an N terminal DDDDK tag; MWt 23 kDa .
<b>Description</b>	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells. Alternatively spliced transcript variants encoding distinct isoforms have been identified.
<b>Protein length</b>	152 amino acids
<b>Conjugation</b>	FLAG
<b>Molecular Weight</b>	23.000kDa inclusive of tags
<b>Source</b>	E. coli
<b>Tissue specificity</b>	Abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. Also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells. A lower expression seen in placenta, heart, lung, fetal liver,
<b>Biological activity</b>	Binds to Human and Mouse BAFFR, TACI and BCMA. Relative binding affinity (EC50) for BAFFR (Human): ~3ng/ml.
<b>Form</b>	Lyophilised:Reconstitute with 100µl sterile water to give a final concentration of 0.1mg/ml.
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: NoneConstituents: PBS
<b>Storage</b>	Store at -20°C, Stable for 6 months at -20°C
<b>Sequence Similarities</b>	Belongs to the tumor necrosis factor family.

### Gene Information

<b>Gene Name</b>	<a href="#">TNFSF13B tumor necrosis factor (ligand) superfamily, member 13b [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">TNFSF13B</a>
<b>Synonyms</b>	TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; TNFSF20; tumor necrosis factor ligand superfamily member 13B; BAFF; BLYS; CD257; TALL 1; TALL1; THANK;
<b>Gene ID</b>	<a href="#">10673</a>
<b>mRNA Refseq</b>	<a href="#">NM_001145645</a>

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45-1 Ramsey Road, Shirley, NY 11967, USA

Tel: +1-631-559-9269 Fax: +1-631-938-8127

E-mail: [info@creative-biomart.com](mailto:info@creative-biomart.com)

[www.creativebiomart.net](http://www.creativebiomart.net)

**Protein Refseq** [NP\\_001139117](#)

**MIM** [603969](#)

**Uniprot ID** [Q9Y275](#)

**Chromosome Location** 13q32-q34

**Pathway** Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Rheumatoid arthritis, organism-specific biosystem;

**Function** cytokine activity; protein binding; receptor binding; tumor necrosis factor receptor binding;

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[www.creativebiomart.net](http://www.creativebiomart.net)