

Recombinant Human TNFSF13B

Cat. No. TNFSF13B-26302TH Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant full length Human BAFF, amino acids 134-285.

Species Human

ProteinLength 134-285 a.a.

Description 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.

Tissue specificity 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,

Biological activity The ED50 of TNFSF13B-26302TH is typically 5-10 ng/ml as measured by its ability to neutralise dexamethasone toxicity using the RPMI 8226 cell line.

Form Lyophilised: It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, with longer-term storage in aliquots at -18 to -20°C. Repeated freeze thawing is not rec

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Trehalose, 1% Human serum albumin
Storage	Store at +4°C.
Sequences of amino acids	Theoretical sequence:AVQGPEETVTQDCLQLIADSETPTIQKGS YTFVPWLLSFKRG SALEEKENKILVKETGYFFIYGQVL YTDKTYAMGHLIQRKKVHVFGDELSTLFRICI QNMPE TLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL
Sequence Similarities	Belongs to the tumor necrosis factor family.
Full Length	Full L.

GENE INFORMATION

Gene Name	TNFSF13B tumor necrosis factor (ligand) superfamily, member 13b [Homo sapiens]
Official Symbol	TNFSF13B
Synonyms	TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; TNFSF20; tumor necrosis factor ligand superfamily member 13B; BAFF; BLYS; CD257; TALL 1; TALL1; THANK;
Gene ID	10673
mRNA Refseq	NM_001145645
Protein Refseq	NP_001139117
MIM	603969

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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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