

BAFF/TNFSF13B Protein, Human, Recombinant (Avi & hFc), Biotinylated

General Information

Synonyms:	BAFF;Dendritic cell-derived TNF-like molecule;CD257;B lymphocyte stimulator;Tumor necrosis factor ligand superfamily member 13B;TNFSF13B;ZTNF4;B-cell-activating factor;TNFSF20;BlyS;TNF- and APOL-related leukocyte expressed ligand 1;TALL-1
Protein Construction:	Ala134-Leu285
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9Y275
Molecular Weight:	50-60 KDa (reducing condition)
AA Sequence:	Ala134-Leu285

QC Testing

Biological Activity:	Immobilized Recombinant Human BCMA-His-Flag at 5µg/ml (100 µl/well)can bind Biotinylated Human BAFF-Avi-Fc. The ED50 of Biotinylated Human BAFF-Avi-Fc is 29.46 ng/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

B-cell activating factor (BAFF), also known as BlyS, TALL-1, THANK, and TNFSF13B, is a transmembrane glycoprotein in the TNF ligand superfamily. BAFF is a cytokine and serves as a ligand for receptors TNFRSF13B (TACI), TNFRSF17 (BCMA), and TNFRSF13C (BAFFR). BAFF can promotes the survival, proliferation and maturation of

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B lymphocytes, which are key elements in the pathogenesis of systemic lupus erythematosus (SLE). This cytokine is encoded on TNFSF13B gene, and diverse single-nucleotide polymorphisms have been associated with susceptibility in different autoimmune disorders. BAFF is a transmembrane protein expressed on myeloid lineage and some epithelial cells, through different stimuli such as IFN- γ , IFN- α , interleukin (IL)-10, Toll-like receptors (TLR)-3, TLR-4 and TLR-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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