

BAFF/TNFSF13B Protein, Human, Recombinant (monomeric hFc, Flag)

General Information

Synonyms:	THANK;TALL1 δ 4 BAFF;TALL1Delta4 BAFF;TALL1;TNFSF20;TALL-1delta BAFF;DTL;BLyS;TNFSF13B;BAFF;TALL-1 δ BAFF;TALL-1;CD257;ZTNF4
Protein Construction:	Thr141-Leu285
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9Y275-1
Molecular Weight:	74.9 kDa (predicted) same as Tris-Bis PAGE result.

QC Testing

Biological Activity:	<ol style="list-style-type: none">1. Immobilized Human BAFF (Trimer) , hFc Tag at 5μg/ml (100μl/Well) on the plate. Dose response curve for Human BAFFR, His Tag with the EC50 of 1.45μg/ml determined by ELISA (QC Test).2. Human BAFFR, His Tag captured on CM5 Chip via anti-his antibody can bind Human BAFF (Trimer) , hFc-Flag Tag with an affinity constant of 1.21 nM as determined in SPR assay.
Purity:	> 95% as determined by Tris-Bis PAGE > 94% as determined by HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/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:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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 tumor necrosis factor ligand superfamily member 13B is a protein that in humans is encoded by the TNFSF13B gene. BAFF 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/BAFF-R.

Reference

Bossen C , Schneider P. BAFF, APRIL and their receptors: Structure, function and signaling[[]]. Seminars in Immunology, 2006, 18(5):0-275.

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