

## BAFF/TNFSF13B Trimer Protein, Cynomolgus, Recombinant (His &amp; Avi)

## General Information

Synonyms:	TALL1 $\delta$ 4 BAFF;BlyS;BAFF;TALL-1;TALL-1 $\delta$ BAFF;TALL1Delta4 BAFF;ZTNF4;CD257;TALL-1delta BAFF;THANK;TNFSF13B;TNFSF20;DTL;TALL1
Protein Construction:	Thr141-Leu285
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A2K5V2X4
Molecular Weight:	54.2 kDa (predicted). Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.

## QC Testing

Biological Activity:	Immobilized Cynomolgus BAFF Trimer, His Tag at 1 $\mu$ g/ml (100 $\mu$ l/Well) on the plate. Dose response curve for Human BAFFR, hFc Tag with the EC50 of 0.26 $\mu$ g/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu$ 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  $\mu$ 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 &amp; 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[J]. Seminars in Immunology, 2006, 18(5):0-275.

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