

BAFFR/TNFRSF13C Protein, Human, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	CD268;TNFRSF13C;BAFFR;BR3;BROMIX;prolixin;CVID4
Protein Construction:	Ser7-Ala71
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q96RJ3-1
Molecular Weight:	9.5 kDa (predicted). Due to glycosylation, the protein migrates to 20-25 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Human BAFF (Trimer) , His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human BAFFR, His Tag with the EC50 of 53.5ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm 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 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:

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

BAFF binds to three TNF receptor superfamily members: B-cell maturation antigen (BCMA/TNFRSF17), transmembrane activator and calcium-modulator and cyclophilin ligand interactor (TACI/TNFRSF13B) and BAFF receptor (BAFF R/BR3/TNFRSF13C). These receptors are type III transmembrane proteins that lack a signal peptide. Whereas TACI and BCMA bind BAFF and another TNF superfamily ligand, APRIL (a proliferation-inducing ligand),

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BAFF R selectively binds BAFF.

Reference

Tin K, et al. BAFF Receptor mAb Treatment Ameliorates Development and Progression of Atherosclerosis in Hyperlipidemic ApoE^{-/-} Mice[J]. PLoS ONE, 2013, 8(4):e60430-.

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