

Human BLyS/TNFSF13B (Fc Tag) recombinant protein



Catalog Number: 502844

General Information

Gene Name Synonym

B lymphocyte stimulator; B-cell-activating factor; BAFF; Dendritic cell-derived TNF-like molecule; TNF- and APOL-related leukocyte expressed ligand 1; Tumor necrosis factor ligand superfamily member 13b, membrane form; Tumor necrosis factor ligand superfamily member 13b, soluble form

Protein Construction

A DNA sequence encoding the soluble form of human BAFF (Q9Y275-1) (Ala 134-Leu 285) was fused with the Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human BAFF at 1 µg/mL (100 µl/well) can bind human TNFRSF17. The EC₅₀ of human TNFRSF17 is 0.07 µg/mL.
2. Measured in a cell proliferation assay using anti-IgM stimulated mouse splenic cells. The ED₅₀ for this effect is typically 50-150 ng/mL.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 20

Molecular Mass

The recombinant human BAFF/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 389 amino acids and has a predicted molecular mass of 43.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhBAFF/Fc monomer is approximately 48-55 kDa due to glycosylation.

Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
 2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

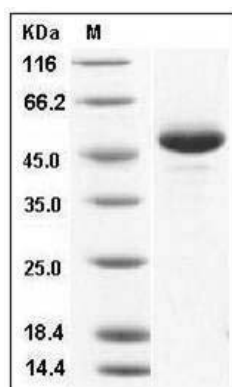
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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SDS-PAGE