

## 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 expressed and purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using anti-IgM stimulated mouse B cells. The  $ED_{50}$  for this effect is typically 0.4-2 ng/mL in the presence of goat anti-mouse IgM  $\mu$  chain.

### Purity

> 96 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

## Predicted N terminal

Ala 134

## Molecular Mass

The recombinant human BAFF consists of 152 amino acids and has a predicted molecular mass of 17 kDa. In SDS-PAGE under reducing conditions, rhBAFF migrates as an approximately 19 kDa band.

## 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

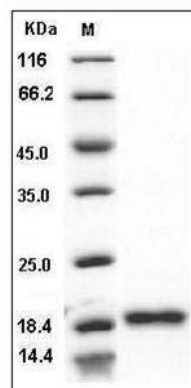
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



Human BLyS / TNFSF13B / BAFF Protein SDS-

# Human BLyS/TNFSF13B recombinant protein



Catalog Number: 503353

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