

# Recombinant human BAFF/TNFSF13B protein

Catalog Number: ATGP4139

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

134-285aa

### UniProt No.

Q9Y275

### NCBI Accession No.

NP\_006564.1

### Alternative Names

Tumor necrosis factor ligand superfamily member 13B, B lymphocyte stimulator, BLyS, B-cell-activating factor BAFF, Dendritic cell-derived TNF-like molecule, TNF- and APOL-related leukocyte expressed ligand 1, TALL-1, CD257, TNFSF20, ZTNF4

## PRODUCT SPECIFICATION

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### Molecular Weight

21.4 kDa (190aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4), 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Biological Activity

Measured by its binding ability in a functional ELISA with Human BAFFR (CAT# ATGP4131).

### Tag

His-Tag

### Application

SDS-PAGE, Bioactivity

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

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## BACKGROUND

### Description

B lymphocyte stimulator (BLyS), a member of the tumor necrosis factor (TNF) superfamily of cytokines, induces B-cell proliferation and immunoglobulin secretion and is a key regulator of peripheral B-cell populations in vivo.. BLyS is made by immune-cells called monocytes and macrophages. When monocytes and macrophages are activated, BLyS is released and binds to a receptor found only on B cells. Recombinant human BLyS, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

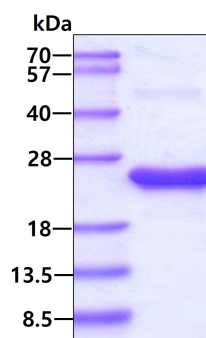
<MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSH>MAV QGPEETVTQD CLQLIADSET PTIQKGSYTF VPWLLSFKRG SALEEKENKI LVKETGYFFI YGQVLYTDKT YAMGHLIQRK KVHVFGDELS LVTLFRCIQN MPETLPNNSC YSAGIAKLEE GDELQLAIPR ENAQISLDGD VTFFGALKLL

### General References

Allan SM., et al. (2005), Nat. Rev. Immunol. 5:629.  
 Michaud DS., et al. (2006), Cancer Res. 66(8):4525-30

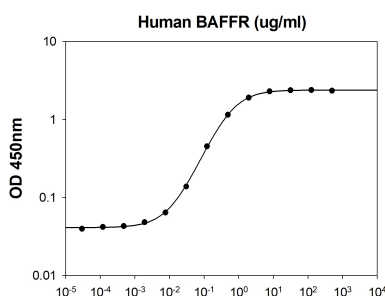
## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

### Biological Activity



Human BAFF is coated at 5 ug/ml (100 ul/well) can bind Human BAFFR (CAT# ATGP4131) in a Functional ELISA assay.