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# Recombinant human BAFF/TNFSF13B protein

Catalog Number: ATGP4139

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

134-285aa

#### UniProt No.

O9Y275

#### **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**

# **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.



# Recombinant human BAFF/TNFSF13B protein

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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 Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

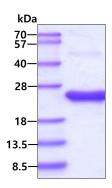
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH>MAV QGPEETVTQD CLQLIADSET PTIQKGSYTF VPWLLSFKRG SALEEKENKI LVKETGYFFI YGQVLYTDKT YAMGHLIQRK KVHVFGDELS LVTLFRCIQN MPETLPNNSC YSAGIAKLEE GDELQLAIPR ENAQISLDGD VTFFGALKLL

#### **General References**

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

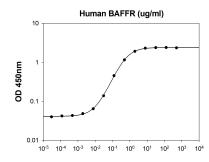
#### **DATA**

#### **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.

