

## BAFF/TNFSF13B active protein

Recombinant human BAFF/TNFSF13B protein

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48992</b> | HOST<br><b>E coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

### PRODUCT SYNONYMS

BAFF/TNFSF13B; Recombinant human BAFF/TNFSF13B protein; 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; BAFF/TNFSF13B active protein

### PRODUCT SPECIFICATIONS

|                                                             |                                                                                                                                                                                 |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                        | E coli                                                                                                                                                                          |
| Purity/Purification                                         | > 95% by SDS-PAGE                                                                                                                                                               |
| Form/Format                                                 | Liquid in. Phosphate-Buffered Saline (pH7.4), 10% glycerol                                                                                                                      |
| Concentration                                               | 1mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                           |
| Sequence Positions                                          | 134-285aa                                                                                                                                                                       |
| Sequence                                                    | M AVQGPEETVT QDCLQLIADS ETPTIQKGSY TFVPWLLSFK RGSAALEEKEN KILVKETGYF FIYQVLYTD<br>KTYAMGHLIQ RKKVHVFGDE LSLVTLFRCI QNMPETLPNN SCYSAGIAKL EEGDELQLAI PRENAQISLD<br>GDVTFFGALK LL |
| Applicable Applications for<br>BAFF/TNFSF13B active protein | Bioactivity, SDS-PAGE                                                                                                                                                           |
| Species                                                     | Human                                                                                                                                                                           |
| Endotoxin                                                   | < 1 EU per 1ug of protein (determined by LAL method)                                                                                                                            |
| Tag                                                         | His-Tag                                                                                                                                                                         |
| Preparation and Storage                                     | 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.                                   |

### ADDITIONAL INFORMATION

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|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for<br>BAFF/TNFSF13B active protein | 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. |
| Product Categories/Family for<br>BAFF/TNFSF13B active protein   | <a href="#">Hormones &amp; Cytokines</a> ; <a href="#">Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                                                      | Allan SM., et al. (2005), Nat. Rev. Immunol. 5:629.<br>Michaud DS., et al. (2006), Cancer Res. 66(8):4525-30                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### NCBI AND UNIPROT INFORMATION

|             |                         |
|-------------|-------------------------|
| NCBI GI #   | <a href="#">5730097</a> |
| NCBI GeneID | <a href="#">10673</a>   |

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_006564.1</a>                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | <a href="#">NM_006573.4</a>                                                                                                                                                                                                                                     |
| UniProt Accession #              | <a href="#">Q9Y275</a> ; <a href="#">Q6FHD6</a> ; <a href="#">Q7Z5J2</a> ; <a href="#">E0ADT7</a>                                                                                                                                                               |
| Molecular Weight                 | 17,578 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | tumor necrosis factor ligand superfamily member 13B isoform 1                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | tumor necrosis factor (ligand) superfamily, member 13b                                                                                                                                                                                                          |
| NCBI Official Symbol             | TNFSF13B                                                                                                                                                                                                                                                        |
| NCBI Official Synonym Symbols    | DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20                                                                                                                                                                                                    |
| NCBI Protein Information         | tumor necrosis factor ligand superfamily member 13B; delta BAFF; Delta4 BAFF; B-lymphocyte stimulator; B-cell-activating factor; ApoL related ligand TALL-1; TNF homolog that activates apoptosis; dendritic cell-derived TNF-like molecule; tumor necrosis fac |
| UniProt Protein Name             | Tumor necrosis factor ligand superfamily member 13B                                                                                                                                                                                                             |
| UniProt Gene Name                | <b>TNFSF13B</b>                                                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | BAFF; BLYS; TALL1; TNFSF20; ZTNF4; BLYS; TALL-1                                                                                                                                                                                                                 |
| UniProt Entry Name               | TN13B_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/baff-tnfsf13b/48992>