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## Product Data Sheet

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Product Name: BAFF Human, His  
 Cat. No.: GP20091  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Escherichia Coli.       |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20; TNFSF13B; B-cell Activating Factor.  |                    |                         |
| Amino Acid Sequence | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAV<br>QGPEETVTQDCLQLIADSET PTIQKGSYTF VPWLLSFKRG SALEEKENKI<br>LVKETGYFFI YGQVLYTDKT YAMGHLIQRK KVHVFGDELS LVTLFRCIQN<br>MPETLPNNSC YSAGIAKLEE GDELQLAIPR ENAQISLDGD VTFFGALKLL. |                    |                         |
| Formulation         | Recombinant His Tag BAFF contains 20mM Tris buffer pH-8 and 5mM DTT.  |                    |                         |

### Introduction

Binds to tnfrsf13b/taci and tnfrsf17/bcma. tnfsf13/april binds to the same 2 receptors, together, they form a 2 ligands -2 receptors pathway involved in the stimulation of b- and t-cell function and the regulation of humoral immunity. a third b-cell specific baff-receptor (baffr/br3) promotes the survival of mature b-cells and the b-cell response. B Lymphocyte Stimulator functions as a potent B-cell growth factor in costimulation assays. Administration of BAFF Human recombinant to mice disrupts splenic B-cell and T-cell zones and results in elevated levels of serum immunoglobulin.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

BLYS Human Recombinant fused to His tag at N-terminus produced in E.Coli is a single, non-glycosylated polypeptide chain containing 190 amino acids and having a molecular

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mass of 21 kDa. The BAFF His tag fusion protein is purified by proprietary chromatographic techniques.

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