

## BAFF/TNFSF13B Protein, Human (His-SUMO)

<b>Cat. No.:</b>	HY-P700531
<b>Synonyms:</b>	BAFF; BlyS; CD257; TNFSF13B; TNFSF20; DTL; TALL1; TALL-1delta BAFF; TALL1Delta4 BAFF; THANK; ZTNF4; TALL-1
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9Y275 (Q68-L285)
<b>Gene ID:</b>	10673
<b>Molecular Weight:</b>	39.7 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> Q V A A L Q G D L A   S L R A E L Q G H H   A E K L P A G A G A   P K A G L E E A P A V T A G L K I F E P   P A P G E G N S S Q   N S R N K R A V Q G   P E E T V T Q D C L Q L I A D S E T P T   I Q K G S Y T F V P   W L L S F K R G S A   L E E K E N K I L V K E T G Y F F I Y G   Q V L Y T D K T Y A   M G H L I Q R K K V   H V F G D E L S L V T L F R C I Q N M P   E T L P N N S C Y S   A G I A K L E E G D   E L Q L A I P R E N A Q I S L D G D V T   F F G A L K L L           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>BAFF/TNFSF13B protein, a cytokine, binds to TNFRSF13B/TACI and TNFRSF17/BCMA, forming a key ligand-receptor pathway alongside TNFSF13/APRIL. Together, these interactions play a crucial role in stimulating B- and T-cell function and regulating humoral immunity. Notably, a third B-cell-specific receptor, BAFFR/BR3, is involved in promoting the survival of mature B-cells and facilitating the B-cell response. This intricate network underscores the significance of BAFF/TNFSF13B in orchestrating immune responses. Additionally, isoform 2 of BAFF/TNFSF13B appears to exert a regulatory role by inhibiting the secretion and bioactivity of isoform 1. The dynamic interplay between these isoforms further contributes to the nuanced control of BAFF/TNFSF13B-mediated immune processes.</p>
-------------------	---

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA