

Datasheet for ABIN7555822

## BAFF Protein (AA 1-285) (His tag)

3 Images



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### Overview

Quantity:	1 mg
Target:	BAFF (TNFSF13B)
Protein Characteristics:	AA 1-285
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAFF protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant TNFSF13B Protein expressed in mammalian cells.
Sequence:	<p>MDDSTEREQS RLTSCLKKRE EMKLKECVSI LPRKESPSVR SSKDGKLLAA TLLLALLSCC</p> <p>LTVVSFYQVA ALQGDLASLR AELQGHHA EK LPAGAGAPKA GLEEAPAVTA GLKIFEPPAP</p> <p>GEGNSSQNSR NKRAVQGPEE TVTQDCLQLI ADSETPTIQK GSYTFVPWLL SFKRGSAL EE</p> <p>KENKILVKET GYFFIYGQVL YTDKTYAMGH LIQRKKVHVF GDELSLVTLF RCIQNMPETL</p> <p>PNNSCYSAGI AKLEEGDELQ LAIPRENAQI SLDGDVTFFG ALKLL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

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Target:	BAFF (TNFSF13B)
Alternative Name:	TNFSF13B ( <a href="#">TNFSF13B Products</a> )
Background:	<p>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) (CD antigen CD257) [Cleaved into: Tumor necrosis factor ligand superfamily member 13b, membrane form, Tumor necrosis factor ligand superfamily member 13b, soluble form],FUNCTION: Cytokine that 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. {ECO:0000269 PubMed:10973284},, FUNCTION: Isoform 2 seems to inhibit isoform 1 secretion and bioactivity. {ECO:0000250},, FUNCTION: [Isoform 3]: Acts as a transcription factor for its own parent gene, in association with NF-kappa-B p50 subunit, at least in autoimmune and proliferative B-cell diseases. The presence of Delta4BAFF is essential for soluble BAFF release by IFNG/IFN-gamma-stimulated monocytes and for B-cell survival. It can directly or indirectly regulate the differential expression</p>

### Target Details

	of a large number of genes involved in the innate immune response and the regulation of apoptosis. {ECO:0000269 PubMed:10973284}.
Molecular Weight:	31.2 kDa
UniProt:	<a href="#">Q9Y275</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

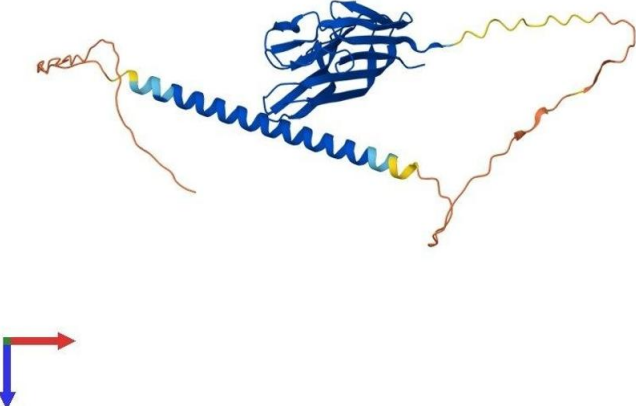
### Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

### Handling

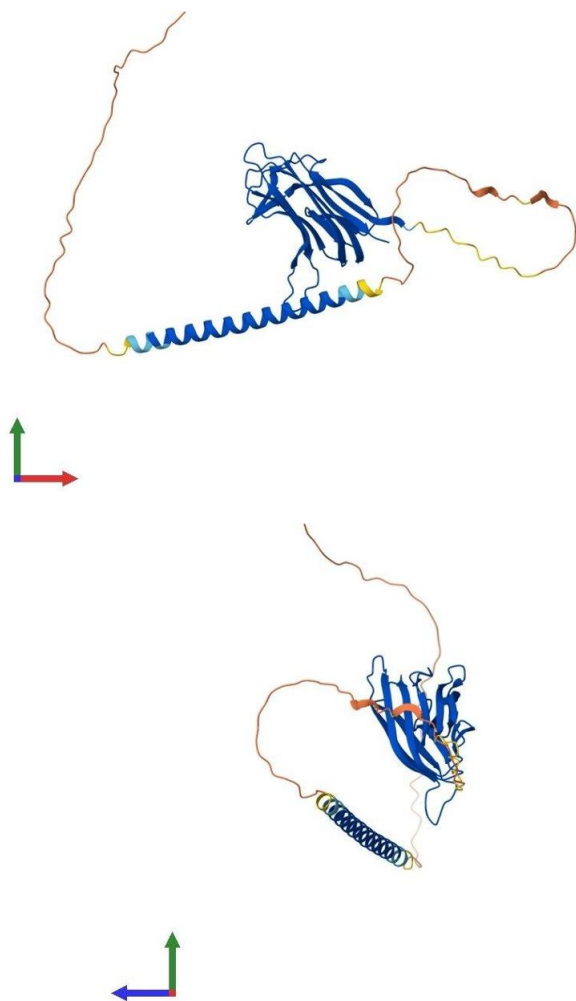
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

### Images



**Protein Structure**

**Image 1.** AlphaFold protein structure prediction of Human Recombinant TNFSF13B Protein, UniprotID Q9Y275



#### Protein Structure

**Image 2.** AlphaFold protein structure prediction of Human Recombinant TNFSF13B Protein, UniprotID Q9Y275

#### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Human Recombinant TNFSF13B Protein, UniprotID Q9Y275