**BioVendor - Laboratorní medicína a.s.**
Karásek 1767/1
621 00 Brno-Řečkovice a Mokrá Hora

Date of issue: 11.10.2018

# PRODUCT DATASHEET

## BAFF Human E. coli

**Cat. No.:** RD172584100
**Type:** Recombinant protein
**Size:** 0.1 mg
**Source:** E. coli
**Species:** Human

**Description**
Total 159 AA. MW: 18.0 kDa (calculated). UniProtKB acc. no. Q9Y275 soluble form (Ala134–Leu285). N-terminal His-tag (7 extra AA). Protein identity confirmed by LC-MS/MS.

**Other names**
B cell Activating Factor belonging to the TNF family, TNFSF13B, TNFSF20, TALL-1, BLyS, THANK, ZNTF4,Tumor necrosis factor ligand superfamily member 13B, B lymphocyte stimulator, BLyS, B-cell-activating factor, Dendritic cell-derived TNF-like molecule, TNF- and APOL-related leukocyte expressed ligand 1, TALL-1, CD_antigen: CD257
**Introduction to the molecule**

**Amino Acid sequence**
MHHHHHHAVQ GPEETVTQDC LQLIADSETP TIQKGSYTFV PWLLSFKRGS ALEEKENKIL VKETGYFFIY GQVLYTDKTY AMGHLIQRKK VHVFGDELSL VTLFRCIQNM PETLPNNSCY SAGIAKLEEG DELQLAIPRE NAQISLDGDV TFFGALKLL

**Purity**
Purity as determined by densitometric image analysis: > 95%

**Endotoxin**
< 0.1 EU/µg

**Formulation:**
Filtered (0.4 µm) and frozen from 0.3- 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, 1% (w/v) sacharose, 4% (w/v) mannitol, pH 7.5.

**Reconstituion:**
Defrost at ambient temperature

**Shipping**
On ice. Upon receipt, store the product at the temperature recommended below.

**Storage, Stability/Shelf Life**
Store protein at –80°C. Protein remains stable until the expiry date when stored at –80°C. Avoid repeated freezing/thawing cycles. The thawed protein can be stored at 4 °C for three days.



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**Quality control**

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

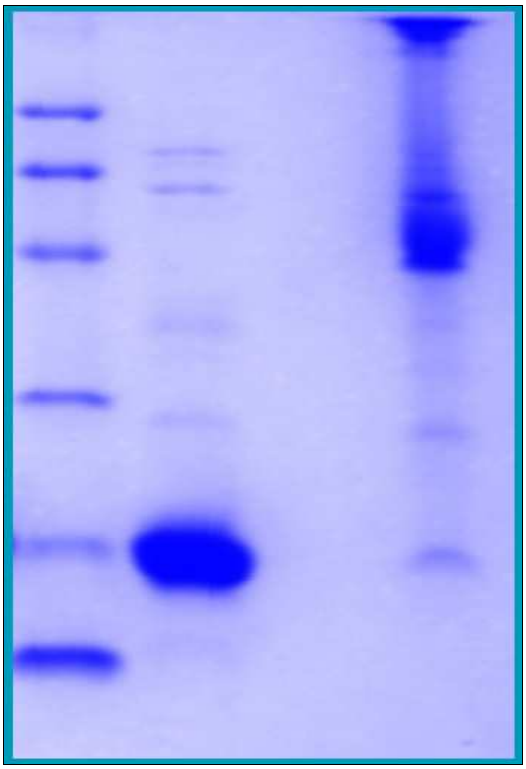
LAL to determine quantity of endotoxin.

**Applications**

ELISA, Western blotting

**Note**

This product is intended for research use only.



12 % SDS-PAGE separation of Human BAFF (E.coli):
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane



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