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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

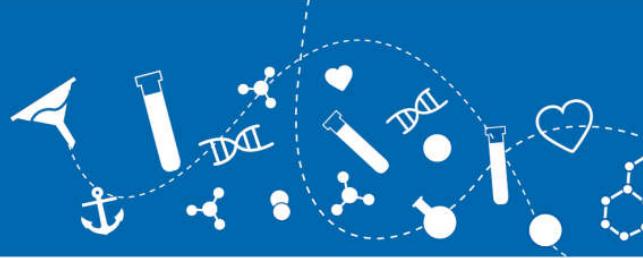
F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic





BAFF (BLyS), His Tag, tobacco, human recombinant (rHuBAFF-His)

Catalog No: 97409

Lot No: XXXXX

Source: *Nicotiana benthamiana*

Synonyms: BAFF, BLyS, CD257, TALL1, THANK, ZTNF4, TALL-1, TNFSF20, TNFSF13B, B-cell Activating Factor

Background

BAFF 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.

Description

BAFF human recombinant produced in *Nicotiana benthamiana* is a single glycosilated polypeptide chain containing 151 amino acids (134-285). BAFF is fused to a 10-His Tag at the N-terminus having the total molecular mass of 18-20 kDa and purified by standard chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Lyophilized from 1 mg/ml solution in 20 mM PBS buffer pH 7 and 0.2 M NaCl.

Solubility

It is recommended to reconstitute the lyophilized BAFF in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized BAFF, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BAFF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by Analysis by SDS-PAGE.

Amino Acid Sequence

HHHHHHHHHH AVQGPEETVT QDCLQLIADS ETPTIQKGSY TFVPWLSSFK RGSALEEKEN KILVKETGYF FIYGQVLYTD
KTYAMGHЛИQ RKKVHVFGDE LSLVTLFRCI QNMPETLPNN SCYSAGIAKL EEGDELQLAI PRENAQISLD GDVTFFGALK
LL

Activity

The activity is determined by dose-dependent stimulation of proliferation B cell from Human PBMC. Cell proliferation was measured by MTT method. *activity results may vary with PBMC donors. ED50 = 50 ng/ml



SIE HABEN DIE VISION,
WIR HABEN DIE SUBSTANZ.



Usage

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