9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BAFF Human, Plant

BAFF (BLyS) Human Recombinant, Plant
CYK0064

Product Overview

Name	BAFF Human, Plant
Description	
BAFF (BLyS) Human Recombinant, Plant	
Accession (Primary)	Q9Y275
Synonyms	
BAFF, BLYS, CD257, TALL1, THANK, ZTNF4, TALL-1, TNFSF20, TNFSF13B, B-cell Activating Factor.	
Introduction	
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.	
Source	
Nicotiana benthamiana plant	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from 1mg/ml solution in 20 mM PBS buffer pH 7 and 0.2 M NaCl.	
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 TFVPWLLSFK RGSALEEKEN KILVKETGYF FIYGQVLYTD KTYAMGHLIQ RKKVHVFGDE LSLVTLFRCI QNMPETLPNN SCYSAGIAKL EEGDELQLAI	

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PRENAQISLD GDVTFFGALK LL

Biological 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 ? 50ng/ml

Solubility

It is recommended to reconstitute the lyophilized BAFF in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

BAFF Human, Plant is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y275)