



## Recombinant Human BAFF

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-002S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

AVQGPEETVTVQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGSALEEKENKI  
LVKETGYFFIYGQVLYTKTYAMGHLIQRKKVHVFGDELSLVTLFRCIQNMP  
E TLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL

### Database References

<b>Protein RefSeq:</b>	NP_006564.1
<b>Uniprot ID:</b>	Q9Y275
<b>mRNA RefSeq:</b>	NM_006573.4

## Scientific Background

<b>Gene-ID (NCBI):</b>	10673
<b>Synonyms:</b>	TNFSF13B; DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20

BAFF, a member of the TNF family of ligands, is expressed in T cells, macrophages, monocytes and dendritic cells. BAFF is involved in stimulation of B and T cell function, and is an important survival and maturation factor for peripheral B cells. BAFF signals through three different TNF receptors TACI, BCMA and BAFF-R. The human BAFF gene codes for a 285 amino acid type II transmembrane protein containing a 46 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 218 amino acid extracellular domain. Recombinant human soluble BAFF is a 153 amino acid polypeptide (17.0 kDa), which contains the TNF-like portion of the extracellular domain of BAFF.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	153
<b>MW:</b>	17.0 kDa

**Biological Activity:** Determined by its dose-dependent stimulation of IL-8 production by human PBMC. The ED50 for this effect is less than 10ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**