

# Recombinant Human BAFF-R

<b>CATALOG #:</b>	4452-10	10 µg
	4452-50	50 µg
	4452-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E.coli</i>	
<b>PURITY:</b>	>95% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of BAFF-R.	
<b>MOL. WEIGHT:</b>	7.7 kDa	
<b>FORM:</b>	Sterile filtered and lyophilized from a solution (1 mg/ml) containing 20 mM phosphate buffer, pH 8.0, and 500 mM NaCl.	

## RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or -20°C for future use.

## STORAGE CONDITIONS:

The lyophilized BAFF-R is best-stored desiccated below 0°C. Reconstituted human BAFF-R should be stored in working aliquots at -20°C.

## DESCRIPTION:

BAFF Receptor (BAFFR), a member of the TNFR superfamily, is highly expressed in spleen, lymph node, and resting B cells and to some extent in activated B cells, resting CD4+ cells and peripheral blood leukocytes. BAFFR is a type III transmembrane protein that binds with high specificity to BAFF (TNFSF13B). BAFFR/BAFF signaling plays a critical role in B cell survival and maturation. Recombinant human BAFFR is a 76 amino acid polypeptide (7.7 kDa) corresponding to the extracellular portion of the full BAFFR protein.

## BIOLOGICAL ACTIVITY:

Determined by its ability to block BAFF induced mouse splenocyte survival. The expected ED<sub>50</sub> for this effect is typically 1-5 µg/ml in the presence of 1 µg/ml human soluble BAFF.

**FOR RESEARCH USE ONLY! Not to be used in human subjects!**

## RELATED PRODUCTS:

### Apoptosis Detection Kits & Reagents

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

### Cell Proliferation & Senescence

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- Akt & JNK Activity Assay Kits
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- CETP Activity Assay & Drug Discovery Kits
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- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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### Growth Factors and Cytokines

