



## Technical Data Sheet

### Recombinant Human BAFF Receptor (rHu BAFF-R)

#### *Human BAFF Receptor*

BAFF Receptor (BAFF-R), 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. BAFF-R is a type III transmembrane protein that binds with high specificity to BAFF (TNFSF13B). BAFF-R/BAFF signaling plays a critical role in B cell survival and maturation.

Catalog Number:	RC214-15R
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 7.7 kDa, a single non-glycosylated polypeptide chain containing 76 amino acids.
Quantity:	10ug/50ug/1000µg
Purity:	>95% by reduced SDS-PAGE analyses.
Biological Activity:	Fully biologically active when compared to standard. Determined by its ability to block BAFF induced mouse splenocyte survival. The expected ED <sub>50</sub> for this effect is 1.0-5.0 µg/ml in the presence of 1.0µg/ml of human soluble BAFF.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 8.0, 500mM NaCl.
AA Sequence:	MRRGPRSLRG RDAPAPTPCV PAECFDLLVR HCVACGLLRT PRPKPAGASS PAPRTALQPO ESGAGAGEA ALPLPG
Endotoxin:	Less than 1EU/µg of rHuBAFF-R as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.



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**Storage:**

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

**Usage:**

This material is offered by Bio Basic Canada Inc for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.