

Recombinant Human B Cell Activating Factor Receptor (rHuBAFF-R)

PrimeGene Technical Data Sheet

Catalog Number:	103-04R
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 7.8 kDa, a single non-glycosylated polypeptide chain containing 76 amino acids.
Quantity:	10µg/50µg/1000µg
AA Sequence:	MRRGPRSLRG RDAPAPTPCV PAECFDLLVR HCVACGLLRT PRPKPAGASS PAPRTALQPQ ESVGAGAGEA ALPLPG
Purity:	> 95 % by reduced SDS-PAGE analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ as determined by its ability to block BAFF induced mouse splenocyte survival is 1.0-5.0 µg/ml in the presence of 1.0 µg/ml of rHuBAFF.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 8.0, 500 mM NaCl.
Endotoxin:	Less than 1 EU/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.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human B Cell Activating Factor Receptor

B Cell Activating Factor Receptor (BAFF-R), also named tumor necrosis factor receptor superfamily member 13C, is a member of the TNFR superfamily. It 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 receptor is a type III transmembrane protein containing a single extracellular phenylalanine-rich domain and binds with high specificity to BAFF (TNFSF13B). It enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. BAFF receptor/BAFF signaling plays a critical role in B cell survival and maturation.