

Recombinant Human TNFRSF13C protein

Cat. No. TNFRSF13C-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF13C protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	76
Description	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.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB, pH 8.0, 500 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The ED50 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.
Molecular Mass	Approximately 7.8 kDa, a single non-glycosylated polypeptide chain containing 76

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	amino acids.
AA Sequence	MRRGPRSLRGRDAPAPTPCVPAECFDLLVRHCVACGLLRTPRPKPAGASSPAPRT ALQPQESVGAGAGEAALPLPG
Endotoxin	Less than 1 EU/μg of rHuBAFF-R as determined by LAL method.
Purity	>95% by reduced SDS-PAGE analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
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 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	TNFRSF13C
Official Symbol	TNFRSF13C
Synonyms	TNFRSF13C; tumor necrosis factor receptor superfamily, member 13C; tumor necrosis factor receptor superfamily member 13C; BAFFR; CD268; BAFF receptor; BLyS receptor 3; B cell-activating factor receptor; B-cell-activating factor receptor; CVID4; BAFF-R; BROMIX; prolixin; MGC138235;

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Gene ID	115650
mRNA Refseq	NM_052945
Protein Refseq	NP_443177
MIM	606269
UniProt ID	Q96RJ3

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