

Recombinant Human TNFRSF17 protein

Cat. No. TNFRSF17-26737TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF17 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	50
Description	B-Cell Maturation Antigen (BCMA), encoded by the TNFRSF17 gene in humans. It is a member of the TNF receptor superfamily and a type III membrane protein containing one extracellular cysteine rich domain. It is expressed on mature B-cells and other B-cell lines. BCMA can binds to TNFSF13B/BLyS/BAFF and TNFSF13/APRIL, and has functions that promotes B-cell survival, plays a role in the regulation of humoral immunity, and activates NF-kappa-B and JNK BCMA.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 30 % acetonitrile, 0.1 % TFA.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by its ability to inhibit APRIL-mediated proliferation of anti-IgM stimulated murine B cells is no less than 40 ng/ml, corresponding to a specific activity of $> 2.5 \times 10^4$ IU/mg in the presence of 100 ng/ml human APRIL.
Molecular Mass	Approximately 5.4 kDa, a single non-glycosylated polypeptide chain containing 50 amino acids.

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AA Sequence	AGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKGTNA
Endotoxin	Less than 1 EU/μg of rHuBCMA as determined by LAL method.
Purity	>98% by SDS-PAGE and HPLC 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	TNFRSF17
Official Symbol	TNFRSF17
Synonyms	TNFRSF17; tumor necrosis factor receptor superfamily, member 17; BCMA; tumor necrosis factor receptor superfamily member 17; BCM; CD269; B-cell maturation factor; B cell maturation antigen; B-cell maturation protein;
Gene ID	608
mRNA Refseq	NM_001192

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Protein Refseq	NP_001183
MIM	109545
UniProt ID	Q02223

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