

## Recombinant Human TNFRSF17 protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFRSF17 protein was expressed in Escherichia coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	50
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2µm filtered concentrated solution in 30 % acetonitrile, 0.1 % TFA.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Approximately 5.4 kDa, a single non-glycosylated polypeptide chain containing 50 amino acids.

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<b>AA Sequence</b>	AGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKGTNA
<b>Endotoxin</b>	Less than 1 EU/μg of rHuBCMA as determined by LAL method.
<b>Purity</b>	>98% by SDS-PAGE and HPLC analysis.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	TNFRSF17
<b>Official Symbol</b>	TNFRSF17
<b>Synonyms</b>	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;
<b>Gene ID</b>	608
<b>mRNA Refseq</b>	NM_001192

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**Protein Refseq** NP\_001183

**MIM** 109545

**UniProt ID** Q02223

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