

## TNFRSF17

### Recombinant Human B-cell Maturation Protein

<b>Catalog No.</b>	CRB700A CRB700B CRB700C	<b>Quantity:</b>	5 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	BCM, BCMA, CD269, tumor necrosis factor receptor superfamily member 17, B-cell maturation factor, B cell maturation antigen, B-cell maturation protein		
<b>Description:</b>	<p>Recombinant Human BCMA is a single non-glycosylated polypeptide chain containing 50 amino acids.</p> <p>B-Cell Maturation Antigen (BCMA), a member of the TNF receptor superfamily, binds to BAFF and APRIL. BCMA is expressed on mature B-cells and other B-cell lines and plays an important role in B cell development, function and regulation. BCMA also has the capability to activate NF-kappaB and JNK. The human BCMA gene codes for a 184 amino acid type I transmembrane protein, which contains a 54 amino acid extracellular domain, a 23 amino acid transmembrane domain, and a 107 amino acid extracellular domain.</p>		
<b>Gene ID:</b>	608		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	~5.3 kDa		
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 30% acetonitrile + 0.1% TFA.		
<b>Purity:</b>	>98% by SDS-PAGE and HPLC.		
<b>Endotoxin Level:</b>	<1 EU/µg by LAL method		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> 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 × 10 <sup>4</sup> IU/mg in the presence of 100 ng/ml human APRIL.		
<b>Amino Acid Sequence:</b>	AGQCSQNEYF DSSLHACIPC QLRCSSNTPP LTCQRYCNAS VTNSVKGTNA		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. <b>Avoid repeated freeze/thaw cycles.</b>		

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