

Recombinant Human BCMA

Catalog No: CS79

Description	Recombinant Human B-cell Maturation Protein is produced by our Mammalian expression system and the target gene encoding Met1-Ala54 is expressed with a Fc tag at the C-terminus.
Source	Human Cells
Alternative name	Tumor necrosis factor receptor superfamily member 17;TNFRSF17;B-cell maturation protein;CD269
Accession No.	Q02223
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS,pH 7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKGTNADIEGRMDEPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGNVFSQVMHEALHNHYTQKSLSLSPGK
Background	B cell maturation protein (BCMA) is a type III membrane protein which belongs to the TNF receptor superfamily (TNFRSF17). BCMA contains one extracellular cysteine rich domain, as well as TACI. Human BCMA is a 184 amino acid (aa) protein consisting of a 54 aa extracellular domain, a 23 aa transmembrane domain, and a 107 aa intracellular domain. Mouse and human BCMA share 62% amino acid identity. BCMA is mainly expressed in immune organs and mature B cell lines. BCMA appears to be localized to the Golgi compartment. BCMA may play an important role in B cell development, function and regulation.

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