

BCMA/TNFRSF17 Protein, Human, Recombinant

General Information

Synonyms:	CD_antigen: CD269;BCM;TNFRSF17;Tumor necrosis factor receptor superfamily member 17; B-cell maturation protein
Protein Construction:	Ala5-Ala54
Species:	Human
Expression Host:	E. coli
Accession:	Q02223
Molecular Weight:	5.4 kDa (Predicted)

QC Testing

Biological Activity:	Fully biologically active when compared to standard. The ED 50 as determined by its ability to inhibit APRIL-mediated proliferation of anti-IgM stimulated murine B cells is no less than 40.0 ng/ml, corresponding to a specific activity of $> 2.5 \times 10^4$ IU/mg in the presence of 100.0 ng/ml human APRIL.
Purity:	$> 98\%$ as determined by SDS-PAGE; $> 98\%$ as determined by HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 μ m filtered solution in 30% acetonitrile, 0.1% TFA.

Preparation and Storage

Reconstitution:

It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.

Stability & Storage:

Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C . Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C . Avoid repeated freeze-thaw cycles.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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 intracellular domain.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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