

## Recombinant Human B-cell Maturation Protein (TNFRSF17)

Cat No:HR2R1176

For research use only

### Overview

Quantity	20 µg
Gene Symbol	TNFRSF17
Gene ID	608
Accession	Q02223
Alternative Name	Tumor necrosis factor receptor superfamily member 17, TNFRSF17, B cell maturation antigen, BCM, BCMA, CD269
Species	Human
Source	E. coli
Description	BCMA (B cell maturation) is a nonglycosylated integral membrane type I protein that is preferentially expressed in mature B lymphocytes. The N-terminal part of both mouse and human proteins contains a conserved six-cysteine motif. BLyS binds to three receptors of the TNF receptor family (B cell maturation antigen BCMA, TACI, and BAFF-R), all of which are expressed by mature B cells.
Functions	The ED <sub>50</sub> was determined by the dose-dependent proliferation of KMS15 cells and was found to be <math>< 0.05\text{ng/mL}</math>.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	6
Purity	>95% as determined by SDS-PAGE
Concentration	<math>< 1.0\text{ EU}/\mu\text{g}</math> of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.