

BCMA (CD269) Recombinant Protein | BCMA recombinant protein

Human BCMA (CD269) Recombinant

CATALOG #	HOST
AAA76089	E Coli (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

BCMA (CD269); Human BCMA (CD269) Recombinant; cd269; bcma; TNFRSF17; BCMA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant BCMA was lyophilized from a 0.2 um filtered 30% acetonitrile, 0.1% TFA solution pH 7.5.
Host Note	Optimized DNA sequence encoding Human BCMA extracellular domain was expressed in Escherichia Coli.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	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.
Molecular Weight Note	Recombinant BCMA is a disulfide-linked monomer protein consisting of 54 amino acid residue subunits, and migrates as an approximately 6kDa protein under non-reducing and reducing conditions in SDS-PAGE.
Biological Activity	The ED(50) was not determined.
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C. Upon reconstitution, this product can be stored in working aliquots at 2 degree - 8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BCMA recombinant protein	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.
Product Categories/Family for BCMA recombinant protein	Cytokines

References	• autoantibody-producing rp105– b cells, from patients with systemic lupus erythematosus, showed more preferential expression of BCMA compared with baff-r than normal subjects .<i>Rheumatology</i>, Jan 2010; 10.1093/rheumatology/kep437. • <i>adipocytes as immune cells: differential expression of tweak, baff, and april and their receptors (fn14, baff-r, taci, and BCMA) at different stages of normal and pathological adipose tissue development</i> .<i>J. Immunol.</i>, Nov 2009; 183: 5948 - 5956. • <i>activation of b-cell maturation antigen (BCMA) on human multiple myeloma cells by a proliferation-inducing ligand (april) promotes myeloma cell function in the bone marrow microenvironment</i> .<i>Blood</i> (ASH Annual Meeting Abstracts), Nov 2007; 110: 1503. • <i>the rgel/blys fusion toxin specifically targets malignant b cells expressing the blys receptors baff-r, taci, and BCMA</i> .<i>Mol. Cancer Ther.</i>, Feb 2007; 6: 460 - 470. • <i>hodgkin lymphoma cells express taci and BCMA receptors and generate survival and proliferation signals in response to baff and april</i> .<i>Blood</i>, Jan 2007; 109: 729 - 739.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23238192
NCBI GeneID	608
NCBI Accession #	NP_001183.2
NCBI GenBank Nucleotide #	NM_001192.2
UniProt Accession #	Q02223; Q13808; Q2TQ40; Q6PE46
Molecular Weight	20,165 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 17
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 17
UniProt Gene Name	TNFRSF17
UniProt Synonym Gene Names	BCM; BCMA
UniProt Entry Name	TNR17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.