

Beta-2-Microglobulin (b2M) Recombinant Protein | b2M recombinant protein

Recombinant Beta-2-Microglobulin (b2M)

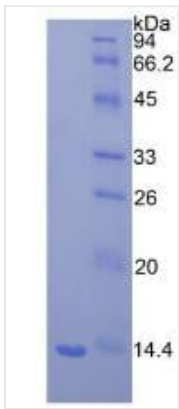
CATALOG # AAA134175	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Beta-2-Microglobulin (b2M); Recombinant Beta-2-Microglobulin (b2M); b2M recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHH HHSGLS-QKTP QIQVYSRHPP ENGKPNILNC YVTQFHPPHI EIQLKNGKK IPKVEMSDMS FSKDWFSYIL AHTEFTPTET DTYACRVKHD SMAEPKTVYW DRDM
Sequence Length	119
Applicable Applications for b2M recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Gln22~Met119 (Accession # P01887) with N-terminal His-Tag
Subcellular Location	Secreted
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	7.2
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



QKTPQIQVY SRHPPENGKP NILNCYVTQF
HPPHIEIQML KNGKKIPKVE MSDMSFSKDW SFYILAHTEF TPTETDTYAC
RVKHASMAEP KTVYWRDM

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	31981890
NCBI GeneID	12010
NCBI Accession #	NP_033865.2
NCBI GenBank Nucleotide #	NM_009735.3
UniProt Accession #	P01887; Q91XJ8
Molecular Weight	12.8kDa
NCBI Official Full Name	beta-2-microglobulin
NCBI Official Synonym Full Names	beta-2 microglobulin
NCBI Official Symbol	B2m
NCBI Official Synonym Symbols	Ly-m11; beta2m; beta2-m
NCBI Protein Information	beta-2-microglobulin
UniProt Protein Name	Beta-2-microglobulin
UniProt Gene Name	B2m
UniProt Entry Name	B2MG_MOUSE

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.