

B2M/Beta-2-microglobulin Recombinant Protein | B2M recombinant protein

Recombinant Human B2M/Beta-2-microglobulin Protein

CATALOG #
AAA281426

HOST
HEK293 Cells

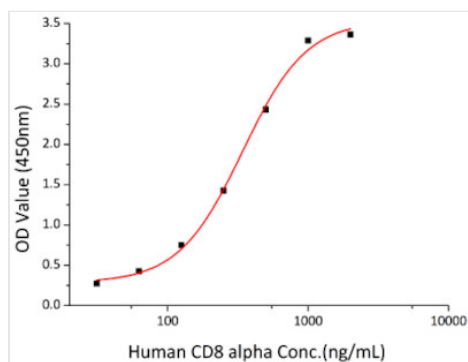
PRODUCT SYNONYMS

B2M/Beta-2-microglobulin; Recombinant Human B2M/Beta-2-microglobulin Protein; B2M; IMD43; beta-2-microglobulin;IMD43; B2M recombinant protein

PRODUCT SPECIFICATIONS

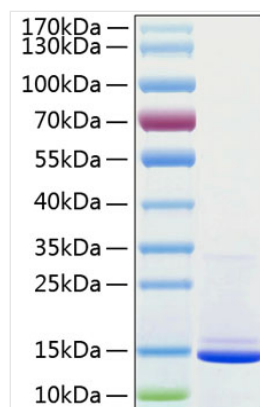
Host	HEK293 Cells
Purity/Purification	>97% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence Length	119
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Bio-Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human B2M at 2 ug/mL (100 uL/well) can bind Recombinant Human CD8 alpha with a linear range of 31.25-341 ng/mL.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Tag	C-His
Preparation and Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Immobilized Recombinant Human B2M at 2ug/mL (100uL/well) can bind Recombinant Human CD8 alpha with a linear range of 31.25-341 ng/mL.



SDS-PAGE

Recombinant Human B2M/Beta-2-microglobulin Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 13 kDa.

ADDITIONAL INFORMATION

Related Product Information for B2M recombinant protein	Description: Recombinant Human B2M/Beta-2-microglobulin Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ile21-Met119) of human B2M/Beta-2-microglobulin (Accession #NP_004039.1) fused with a 6xHis tag at the C-terminus. Background: This protein is a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.
Product Categories/Family for B2M recombinant protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	48428791
NCBI GeneID	567
UniProt Accession #	P61769
NCBI Official Full Name	Beta-2-microglobulin
NCBI Official Synonym Full Names	beta-2-microglobulin
NCBI Official Symbol	B2M
NCBI Official Synonym Symbols	IMD43
NCBI Protein Information	beta-2-microglobulin
UniProt Protein Name	Beta-2-microglobulin
UniProt Gene Name	B2M
UniProt Entry Name	B2MG_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.

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Online datasheet: <https://stage.aaabiotech.com/b2m-recombinant-protein-hek293-cells/281426>