

Recombinant Mouse B2M Protein, His-tagged

Cat. No. B2M-938M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse B2M (P01887) (Met 1-Met 119), without the propeptide, was fused with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-119 a.a.
Predicted N Terminal	Ile 21
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The secreted recombinant mouse B2M comprises 110 amino acids and has a calculated molecular mass of 13 kDa. The apparent molecular mass of rmB2M is approximately 15 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>97 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name B2m beta-2 microglobulin [*Mus musculus*]

Official Symbol B2M

Synonyms B2M; beta-2 microglobulin; beta-2-microglobulin; Ly-m11; beta2m; beta2-m;

Gene ID 12010

mRNA Refseq NM_009735

Protein Refseq NP_033865

MIM

UniProt ID

Pathway Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presenta

Function protein binding;

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