

Recombinant Human B2M & HLA-A protein(GP100)(IMDQVPFSV), His-tagged

Cat. No. B2M & HLA-A-893H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-A*0201 GP100 complex Protein is produced by our Mammalian expression system and the target gene encoding (IMDQVPFSV)&Ile21-Met119&Gly25-Ile308 (Ala269Val) is expressed with a 10His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	(IMDQVPFSV)&Ile21-Met119&Gly25-Ile308 (Ala269Val)
Description	GP100 Plays a central role in the biogenesis of melanosomes. Involved in the maturation of melanosomes from stage I to II. The transition from stage I melanosomes to stage II melanosomes involves an elongation of the vesicle, and the appearance within of distinct fibrillar structures.
Form	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 500mM NaCl, pH 7.4.
Molecular Mass	55-60kDa, reducing conditions.
Endotoxin	Less than 0.1 ng/g (1 EU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature

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for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name B2M beta-2-microglobulin [Homo sapiens (human)]

Official Symbol B2M; HLA-A

Synonyms B2M; HLA-A

Gene ID 567

mRNA Refseq NM_004048.4

Protein Refseq NP_004039.1

MIM 109700

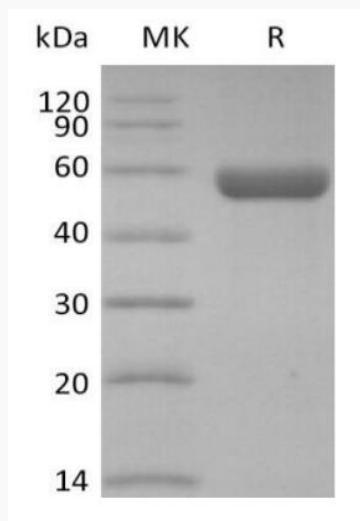
UniProt ID P61769

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**SDS-PAGE of B2M &
HLA-A-893H**



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