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/μg (1 EU/μg) 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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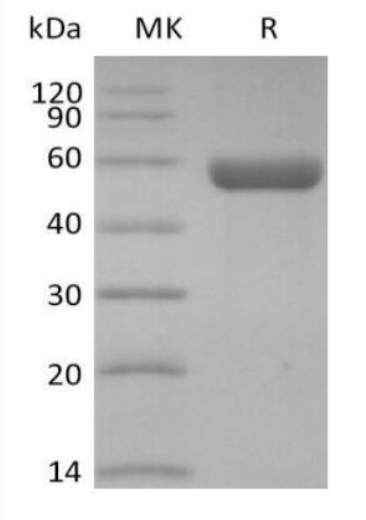
	for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less 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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