Recombinant Human B2M & HLA-A protein(NY-ESO-1)(SLLMWITQC), His-tagged

Cat. No. B2M & HLA-A-892H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-A*0201 NY-ESO-1 complex Protein is produced by our Mammalian expression system and the target gene encoding (SLLMWITQC)&Ile21-Met119&Gly25-Ile308 (Ala269Val) is expressed with a 10His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	(SLLMWITQC)&Ile21-Met119&Gly25-Ile308 (Ala269Val)
Description	NY-ESO-1 is a well-known cancer-testis antigen (CTAs) with re-expression in numerous cancer types. Its ability to elicit spontaneous humoral and cellular immune responses, together with its restricted expression pattern, have rendered it a good candidate target for cancer immunotherapy. Optimally assembled peptide-HLA-B2M trimer translocates to the surface of antigen-presenting cells, where it interacts with TCR and CD8 coreceptor on the surface of T cells.
Form	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 500mM NaCl, pH7.4.
Molecular Mass	55-60kDa, reducing conditions.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Purity	Greater than 90% as determined by reducing SDS-PAGE.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

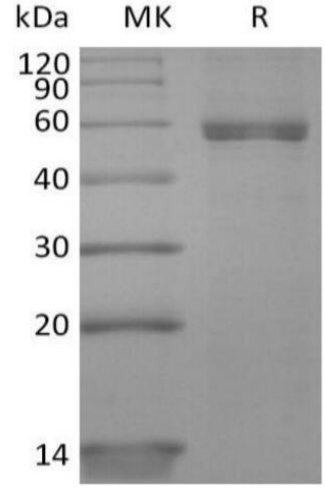
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not 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	MHC; MY-ESO-1; HLA-A*0201 NY-ESO-1 complex Protein
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-892H



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