Recombinant Human HLA-A*02:01&B2M&MAGE-A4 protein

Cat. No. HLA-A*02:01&B2M&MAGE-A4-1548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-A*02:01&B2M&MAGE-A4 protein(Gly25-Ile308(HLA-A*02:01)&Ile21-Met119(B2M)&KVLEHVVRV) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-308;21-119 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	Molecular CharacterizationHuman HLA-A*02:01&B2M&MAGE-A4 (KVLEHVVRV) Tetramer Protein is assembled by biotinylated monomer and streptavidin.Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (KVLEHVVRV) Complex Protein is produced by co-expression of HLA and B2M loaded with MAGE-A4 peptide. Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (KVLEHVVRV) Complex Protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 36.3 kDa, 13.3 kDa and 11.7 kDa. The protein migrates as 40-45 kDa, 15 kDa and 13 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gly25-Ile308(HLA-A*02:01)&Ile21-Met119(B2M)&KVLEHVVRV
Endotoxin	Less than 1.0 EU per μg by the LAL method.

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

Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	HLA-A major histocompatibility complex, class I, A [Homo sapiens]
Official Symbol	HLA-A
Synonyms	HLA-A; major histocompatibility complex, class I, A; HLA class I histocompatibility antigen, A-1 alpha chain; antigen presenting molecule; leukocyte antigen class I-A; MHC class I antigen HLA-A heavy chain; HLAA; FLJ26655;
Gene ID	3105
mRNA Refseq	NM_001242758
Protein Refseq	NP_001229687
UniProt ID	P01891

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