

HLA-A*02:01&B2M&MAGE-A2 (KMVELVHFL) Monomer Protein, Human, MHC (His & Avi),

General Information

Synonyms:	MAGEA2;MAGE-A2
Protein Construction:	Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and KMVELVHFL peptide
Species:	Human
Expression Host:	HEK293 Cells
Accession:	A0A140T913(HLA-A*02:01)&P61769(B2M)&KMVELVHFL
Molecular Weight:	50.50 kDa (Predicted); 52-62 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Melanoma antigen gene (MAGE)-A2 (MAGEA2) is a member of the MAGE-A family proteins widely studied for cancer vaccine development and identification of tumor markers. MAGEA2 plays an oncogenic role in glioma progression, and they provide insight into MAGEA2 application as a novel predictor of clinical outcomes and a potential glioma biomarker.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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