

## HLA-A\*02:01&amp;B2M&amp;MAGE-A4 (GVYDGREHTV) Monomer Protein, Human, MHC (E. coli, His &amp; Avi)

## General Information

Synonyms:	HLA0201;MHC I;MAGE-X2;MAGE4B;member 4;MAGE4A;MAGE-A4;CT1.4
Protein Construction:	Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and GVDYDGREHTV peptide
Species:	Human
Expression Host:	E. coli
Accession:	A0A140T913(HLA-A*02:01)&P61769(B2M)&GVYDGREHTV
Molecular Weight:	35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M)

## QC Testing

Biological Activity:	Immobilized Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer, His Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&MAGE-A4 Antibody, hFc Tag with the EC50 of 1.9 ng/ml determined by ELISA (QC Test).
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:	Supplied as 0.22 µm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).

## Preparation and Storage

## Stability &amp; 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-associated antigen 4 is a protein that in humans is encoded by the MAGEA4 gene. The MAGE-A4 antigen is among the most commonly expressed cancer testis antigens. The Human HLA-A\*0201 MAGE-A4 (GVYDGREHTV) complex Protein is a complex of HLA-A\*0201 of the MHC Class I, B2M and GVDYDGREHTV peptide of the MAGE-A4.

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