

HLA-A\*02:01&B2M&PRAME (SLLQHLIGL) Monomer Protein, Human, MHC (E. coli, His & Avi)

## General Information

Synonyms: OIP-4;OIP4;PRAME;MAPE  
Protein Construction: Gly25-Thr305 (HLA-A\*02:01), Ile21-Met119 (B2M) and SLLQHLIGL peptide  
Species: Human  
Expression Host: E. coli  
Accession: A0A140T913(HLA-A\*02:01)&P61769(B2M)&SLLQHLIGL  
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&PRAME (SLLQHLIGL) Monomer, His Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for HLA-A\*02:01&B2M&PRAME TCR, hFc Tag with the EC50 of 10.0 ng/ml determined by ELISA.  
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 & 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

PRAME (PReferentially expressed Antigen in MELanoma) is a melanoma-associated antigen expressed in cutaneous and ocular melanomas and some other malignant neoplasms, while its expression in normal tissue and benign tumors is limited.

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