

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

**General Information**

Synonyms: PRAME;OIP-4;OIP4;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 Biotinylated Human HLA-A\*02:01&B2M&PRAME (SLLQHLIGL) Monomer, His Avi Tag at 1 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for HLA-A\*02:01&B2M&PRAME TCR, hFc Tag with the EC50 of 2.3 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 & 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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