

# Recombinant Human HLA-A&B2M protein, His-Avi-tagged, Biotinylated

**Cat. No.** HLA-A&B2M-1580H    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Recombinant Human HLA-A&B2M protein(AAV53343.1(HLA-A*11:01)&P61769(B2M)&VVVGASGVGK)(Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M)and VVGASGVGK peptide), fused with C-terminal His and Avi tag, was expressed in HEK293. |
| <b>Species</b>           | Human                                                                                                                                                                                                                                |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                               |
| <b>ProteinLength</b>     | Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M)and VVGASGVGK peptide                                                                                                                                                                    |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                               |
| <b>Form</b>              | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                                                       |
| <b>Molecular Mass</b>    | The protein has a predicted MW of 50.30 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Tris-Bis PAGE result.                                                                                                  |
| <b>Endotoxin</b>         | Less than 1EU per µg by the LAL method.                                                                                                                                                                                              |
| <b>Purity</b>            | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                                                                                     |
| <b>Storage</b>           | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual                                                                                                                                                    |

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defrost freezer and avoid repeated freeze-thaw cycles.

**Reconstitution**

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

**Conjugation**

Biotin

## 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

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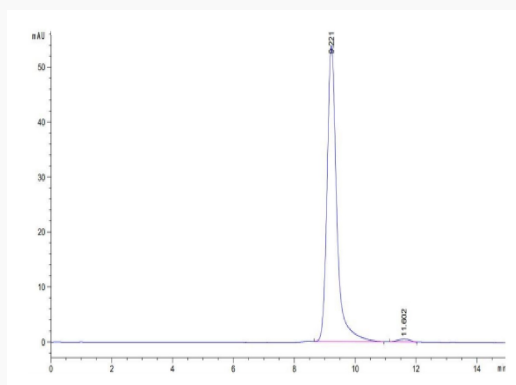
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### Tris-Bis PAGE



### SEC-HPLC



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