

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

**Cat. No.** HLA-A&B2M-1577H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HLA-A&B2M protein(AAV53343.1(HLA-A*11:01)&P61769(B2M)&VVVGAGGVGK)(Gly25-Thr305(HLA-A*11:01),Ile21-Met119(B2M)and VVGAGGVGK 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 VVGAGGVGK peptide                                                                                                                                                       |
| <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 52-62 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 defrost freezer and avoid repeated freeze-thaw cycles.                                                                               |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100                                                                                                                                       |

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µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

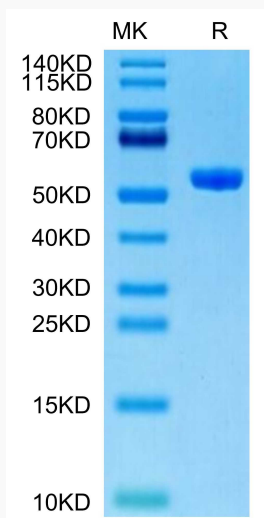
|                 |                                                                                                                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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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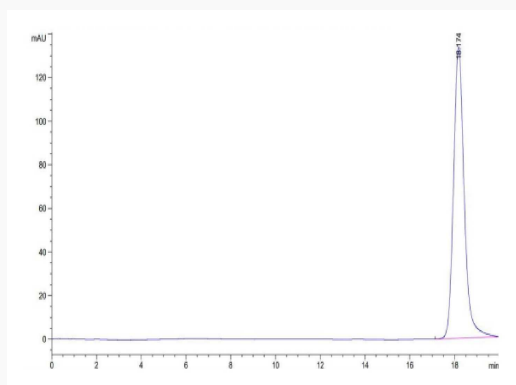
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### Tris-Bis PAGE



### SEC-HPLC



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