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

**Cat. No.** HLA-A&B2M-1561H **Lot. No.** (See product label)

## SPECIFICATION

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

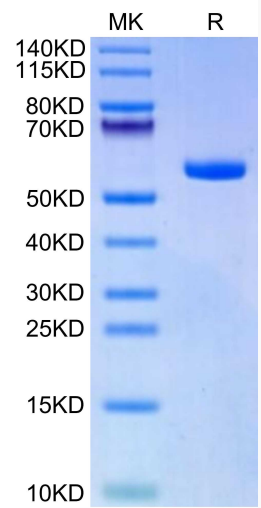
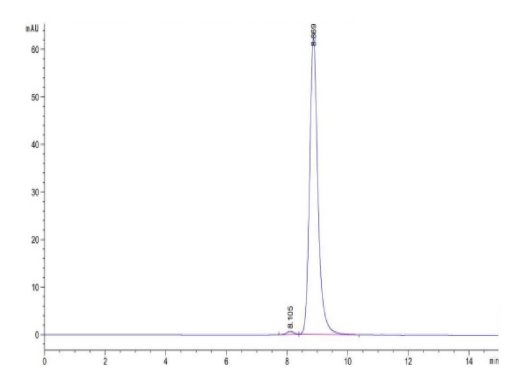
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| | defrost freezer and avoid repeated freeze-thaw cycles. |
| **Reconstitution** | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Conjugation** | Biotin |

## GENE INFORMATION

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| **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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| **Tris-Bis PAGE** |   |
| **SEC-HPLC** |  |

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