# Biotinylated Human Peptide Ready HLA-A*03:01&B2M Monomer Protein

Catalog # HLAA0301-HB003 Form: Lyophilized

## Product Details

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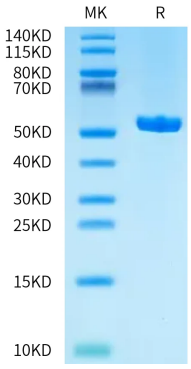
| **Product description** | Recombinant Biotinylated Human Peptide Ready HLA-A*03:01&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*03:01) and Ile21-Met119(B2M) (accession: NP_002107.3(HLA-A*03:01) & P61769(B2M)). |
| **Molecular aliases** | MHC; HLA-A*03:01; Peptide Ready |
| **Expression system** | HEK293 |
| **Molecular weight** | The protein has a predicted MW of 48.40 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result. |
| **Purity** | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS, 100mM L-Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **State** | Lyophilized |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| **Activity validation** | Activity verified |

## Protein Integrity

### Bis-Tris PAGE

Representative product-page data




**Reported result**

Biotinylated Human Peptide Ready HLA-A*03:01&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.