# Human HLA-A*02:01&B2M&AFP (PLFQVPEPV) Monomer Protein

Catalog # AFP-HP005 Form: Lyophilized

## Product Details

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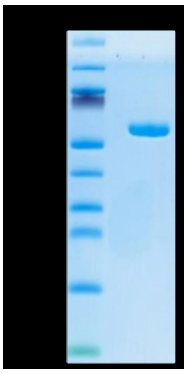
| **Product description** | Recombinant Human HLA-A*02:01&B2M&AFP (PLFQVPEPV) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and PLFQVPEPV peptide (accession: A0A140T913(HLA-A*02:01) & P61769(B2M) &PLFQVPEPV). |
| **Molecular aliases** | Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-feto; AFP; HPAFP; AFPD; FETA; MHC |
| **Expression system** | HEK293 |
| **Molecular weight** | The protein has a predicted MW of 50.4 kDa. Due to glycosylation, the protein migrates to 55-60 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 ug by the LAL method. |
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (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. |

## Protein Integrity

### Bis-Tris PAGE

Representative product-page data



**Reported result**

Human HLA-A*02:01&B2M&AFP (PLFQVPEPV) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.