

Human Peptide Ready HLA-G&B2M Monomer Protein



Cat. No. MHC-HM45R

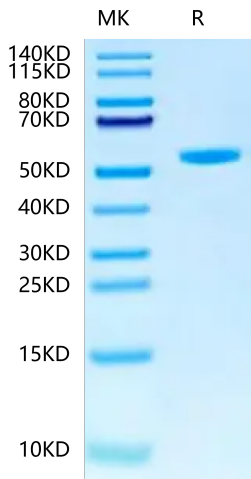
| Description | |
|------------------|--|
| Source | Recombinant Human Peptide Ready HLA-G&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly25-Thr305(HLA-G) and Ile21-Met119(B2M). |
| Accession | P17693-1(HLA-G) & P61769(B2M) |
| Molecular Weight | 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. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | >95% as determined by Bis-Tris PAGE >95% as determined by HPLC |

| Formulation and Storage | |
|-------------------------|---|
| Formulation | Supplied as 0.22µm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background | |
|--|--|
| Peptide Ready HLA-G&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-G. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner. | |

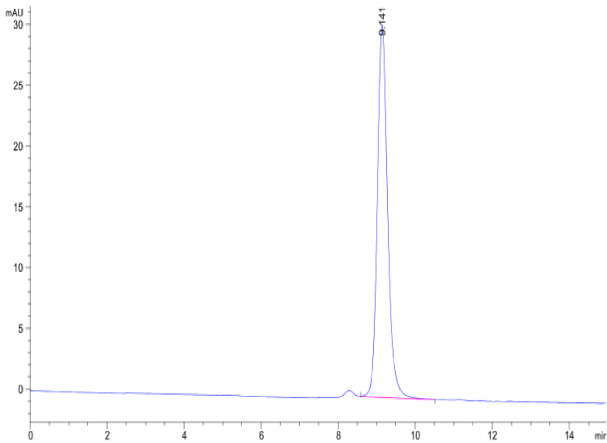
Assay Data

Bis-Tris PAGE



Human Peptide Ready HLA-G&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Peptide Ready HLA-G&B2M Monomer is greater than 95% as determined by SEC-HPLC.