Human Peptide Ready HLA-G&B2M Monomer Protein





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	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Background

Storage

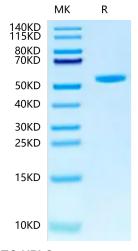
Peptide Ready HLA-G&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-G. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

-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.

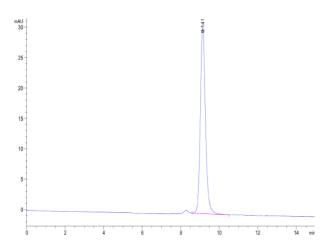
Assay Data

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.