Human HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET) Tetramer Protein

Catalog # HPV16E7-HP002 Form: Lyophilized

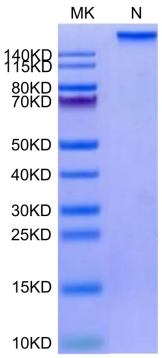
Product Details

Product description	Recombinant Human HPV16 E7(HLA-A*02:01) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus, tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and YMLDLQPET peptide (accession: P04439-1(HLA-A*02:01) & P61769(B2M) & YMLDLQPET peptide).
Molecular aliases	HPV16; E7; MHC;
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reduced (N) condition 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 0.22μm 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&HPV16 E7 (YMLDLQPET) Tetramer on Bis-Tris PAGE under under Non reduced (N) condition. The purity is greater than 95%.