Chimeric HLA-A*02:01 (mα3) &B2M&LMP2 (CLGGLLTMV) Tetramer Protein

Catalog # LMP2-HP007 Form: Lyophilized

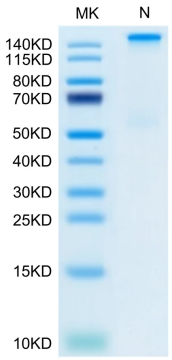
Product Details

Product description	Recombinant Chimeric HLA-A*02:01(mα3)&B2M&LMP2 (CLGGLLTMV) 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-Thr206(Human HLA-A*02:01 α1&α2)&Asp207-Glu299(Mouse H-2Ld α3), Ile21-Met119(B2M) and CLGGLLTMV peptide (accession: A0A140T913(Human HLA-A*02:01 α1 & α2) & P01897(Mouse H-2Ld α3) & P61769(B2M) &CLGGLLTMV).
Molecular aliases	MHC; RMF; LMP2; LMP-2; Macropain chain 7; Proteasome chain 7; PSMB9; RING12
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.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Chimeric HLA-A*02:01 (mα3) &B2M&LMP2 (CLGGLLTMV) Tetramer on Bis-Tris PAGE under Non reduced (N) condition. The purity is greater than 95%.