Chimeric HLA-A*02:01 (mα3) &mB2M&GP100 (YLEPGPVTA) Monomer Protein

Catalog # GP100-HP005

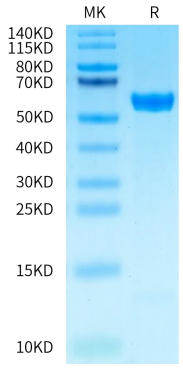
Product Details

Product description	Recombinant Chimeric HLA-A*02:01 (mα3) &mB2M&GP100 (YLEPGPVTA) Monomer Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly25-Thr206 (Human HLA-A*02:01 α1&α2) and Asp207-Glu299 (Mouse H-2Ld α3), Ile21-Met119(mB2M) and YLEPGPVTA peptide (accession: A0A140T933(Human HLA-A*02:01 α1 & α2) & P01897(Mouse H-2Ld α3) & P01887(Mouse B2M) &YLEPGPVTA).
Molecular aliases	HLA0201; MHC I; gp100; Glycoprotein 100; ME20-M; P100
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 47.90 kDa. Due to glycosylation, the protein migrates to 50-65 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 μg by the LAL method.
Formulation	Supplied as 0.22 μm 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.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Chimeric HLA-A*02:01 (mα3) &mB2M&GP100 (YLEPGPVTA) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.