# Chimeric HLA-A*02:01 (mα3) &mB2M&P53 R175H (HMTEVVRHC) Monomer Protein

Catalog # P53R175H-HP006

## Product Details

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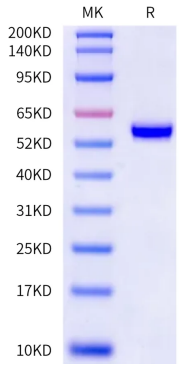
| **Product description** | Recombinant Chimeric HLA-A*02:01 (mα3) &mB2M&P53 R175H (HMTEVVRHC) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Thr206 (Human HLA-A*02:01 α1&α2), Asp207-Glu299 (Mouse H-2Ld α3), Ile21-Met119 (mB2M) and HMTEVVRHC peptide (accession: A0A140T913(Human HLA-A*02:01 α1 & α2) & P01897(Mouse H-2Ld α3) & P01887(Mouse B2M) &HMTEVVRHC). |
| **Molecular aliases** | MHC; HLA-A; P53; TP53; Antigen NY-CO-13; BCC7; FLJ92943; LFS1; TRP53 |
| **Expression system** | HEK293 |
| **Molecular weight** | The protein has a predicted MW of 48.04 kDa. Due to glycosylation, the protein migrates to 55-63 kDa based on Bis-Tris PAGE result. |
| **Purity** | > 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC |
| **Endotoxin** | Less than 0.1 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&P53 R175H (HMTEVVRHC) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.