

Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer Protein

Cat. No. MHC-HM427

Description

Source	Recombinant Human MAGE-A3(HLA-A*01:01) Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus. It contains Gly25-Thr305(HLA-A*01:01), Ile21-Met119(B2M) and EVDPIGHLY peptide.
Accession	Q5SUL5(HLA-A*01:01)&P61769(B2M)&EVDPIGHLY
Molecular Weight	The protein has a predicted MW of 50.30 kDa. Due to glycosylation, the protein migrates to 53-63 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

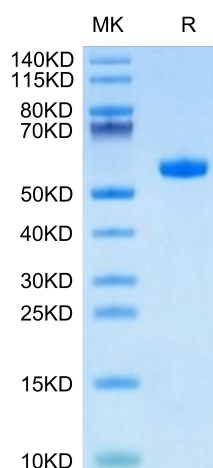
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Melanoma antigen gene A3 (MAGE-A3) is one of the most immunogenic cancer testis antigens and is common in various types of cancers. MAGE-A3 can be considered as a predictor for poor prognosis and an option for vaccine immunotherapy in patients with PCa.

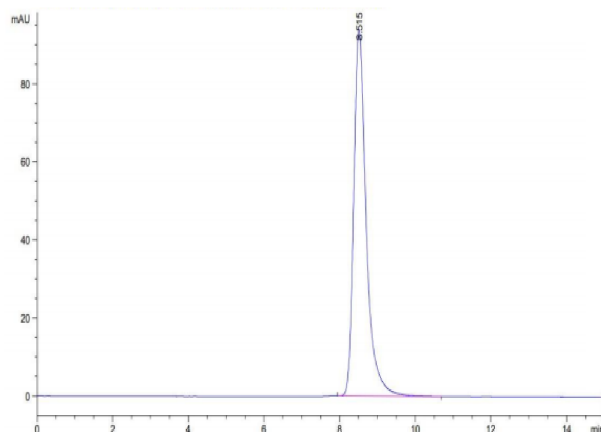
Assay Data

Bis-Tris PAGE



Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer is greater than 95% as determined by SEC-HPLC.