

Human HLA-A*25:01&B2M&NUTM1 (DVYENFRQW) Monomer Protein

Cat. No. MHC-HE459

Description

Source	Recombinant Human HLA-A*25:01&B2M&NUTM1 (DVYENFRQW) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. It contains Gly25-Pro307(HLA-A*25:01), Ile21-Met119(B2M) and DVYENFRQW peptide.
Accession	CDK41178.1(HLA-A*25:01)&P61769(B2M)&DVYENFRQW
Molecular Weight	The protein has a predicted MW of 36.1 kDa (HLA-A*25:01) and 11.9 kDa (B2M) same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

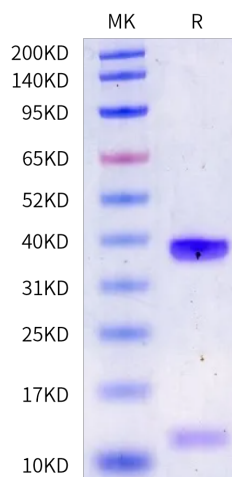
Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Nuclear protein of testis (NUT), a protein product of the NUTM1 gene (located on the long arm of chromosome 15) with highly restricted physiologic expression in post-meiotic spermatids, is the oncogenic driver of a group of emerging neoplasms when fused with genes involved in transcription regulation.

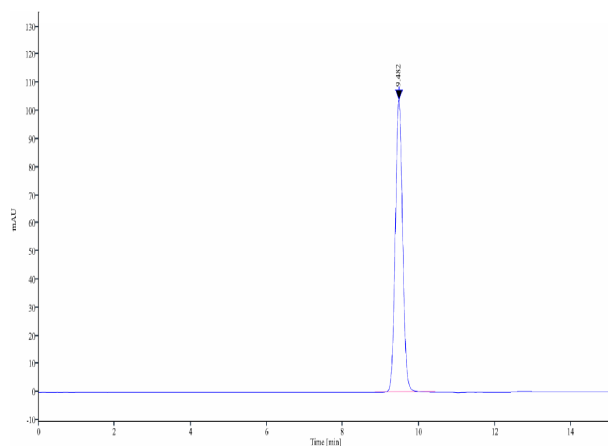
Assay Data

Bis-Tris PAGE



Human HLA-A*25:01&B2M&NUTM1 (DVYENFRQW) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human HLA-A*25:01&B2M&NUTM1 (DVYENFRQW) Monomer is greater than 95% as determined by SEC-HPLC.