

Biotinylated Human HLA-C*08:01&B2M&KRAS G12D (GADGVGKSAL) Monomer Protein



Cat. No. MHC-HM492B

Description

Source	Recombinant Biotinylated Human HLA-C*08:01&B2M&KRAS G12D (GADGVGKSAL) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Cys25-Ala366(HLA-C*08:01), Ile21-Met119(B2M) and GADGVGKSAL peptide.
Accession	AAA59688.1(HLA-C*08:01)&P61769(B2M)&GADGVGKSAL
Molecular Weight	The protein has a predicted MW of 50.60 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on 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

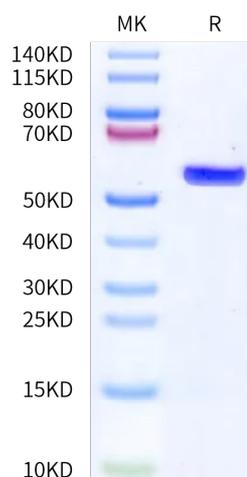
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Kirsten rat sarcoma 2 viral oncogene homolog (KRAS) is the most commonly mutated oncogene in human cancer. The developments of many cancers depend on sustained expression and signaling of KRAS, which makes KRAS a high-priority therapeutic target. The virtual screening approach to discover novel KRAS inhibitors and synthetic lethality interactors of KRAS are discussed in detail.

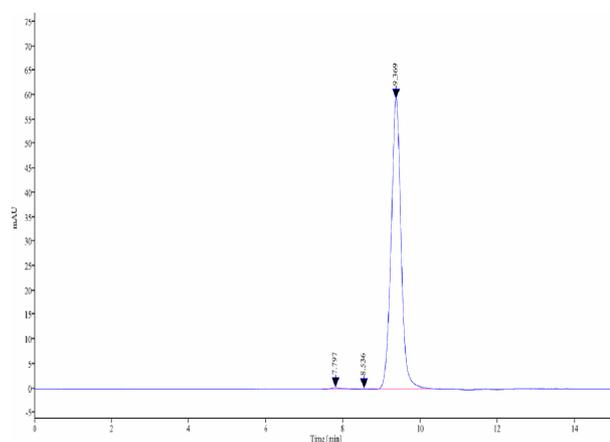
Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-C*08:01&B2M&KRAS G12D (GADGVGKSAL) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human HLA-C*08:01&B2M&KRAS G12D (GADGVGKSAL) Monomer is greater than 95% as determined by SEC-HPLC.