Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer Protein

Cat. No. MHC-HM120

Description

Source	Recombinant Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M) and VVVGADGVGK peptide.
Accession	AAV53343.1(HLA-A*11:01)&P61769(B2M)&VVVGADGVGK
Molecular Weight	The protein has a predicted MW of 48.40 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis 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

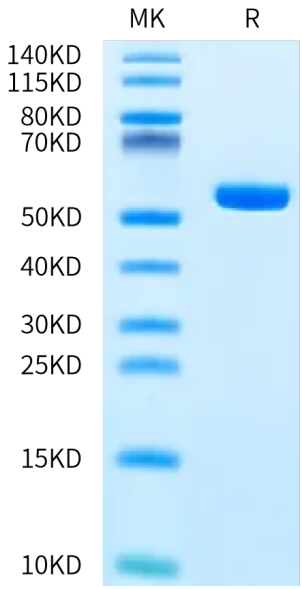
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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



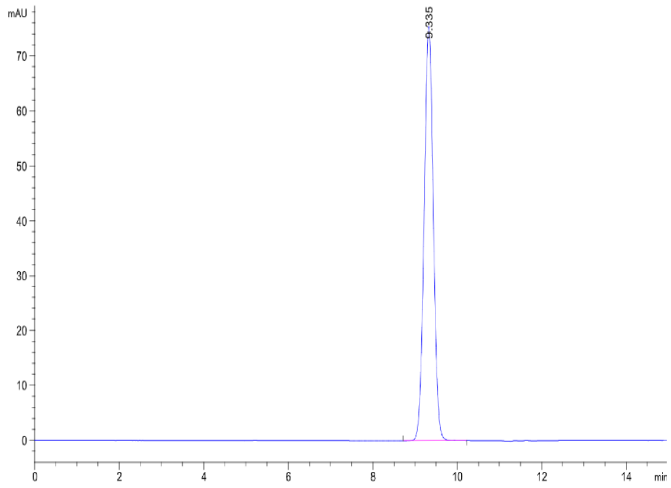
Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer Protein

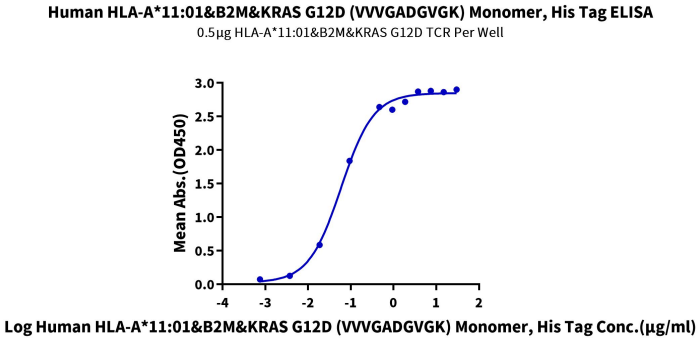
Cat. No. MHC-HM120

Assay Data



The purity of Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) TCR at 5μg/ml (100μl/well) on the plate. Dose response curve for Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer, His Tag with the EC50 of 59.4ng/ml determined by ELISA (QC Test).

For Research Use Only