Human HLA-A*11:01&B2M&RASL11B (AVVGASGVGK) Monomer Protein

Cat. No. MHC-HE003

Description

Source	Recombinant Human HLA-A*11:01&B2M&RASL11B (AVVGASGVGK) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-Terminus.
	It contains Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M) and AVVGASGVGK peptide.
Accession	AAV53343.1(HLA-A*11:01)&P61769(B2M)&AVVGASGVGK
Molecular Weight	The protein has a predicted MW of 35.36 kDa (HLA-A*11:01) 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
	> 90% as determined by HPLC

Formulation and Storage

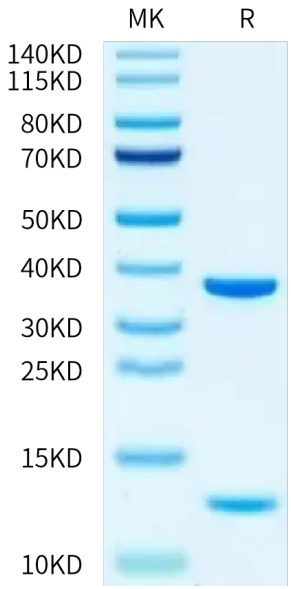
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

RAS (H-ras, K-ras, and N-ras), as the second largest mutated gene driver in various human cancers, has long been a vital research target for cancer. Its function is to transform the extracellular environment into a cascade of intracellular signal transduction. RAS mutant protein regulates tumor cell proliferation, apoptosis, metabolism and angiogenesis through downstream MAPK, PI3K and other signaling pathways.

Assay Data

Bis-Tris PAGE



Human HLA-A*11:01&B2M&RASL11B (AVVGASGVGK) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human HLA-A*11:01&B2M&RASL11B (AVVGASGVGK) Monomer Protein

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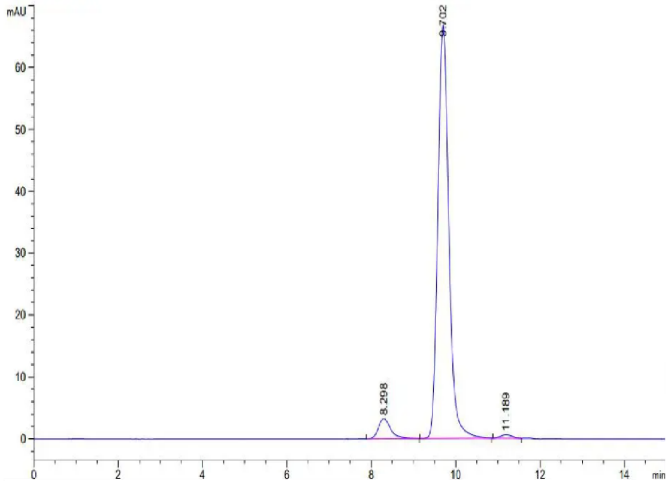
Assay Data



The purity of Human HLA-A*11:01&B2M&RASL11B (AVVGASGVGK) Monomer is greater than 90% as determined by SEC-HPLC.