

# Human HLA-A\*11:01&B2M&KRAS WT (VVVGAGGVGK) Tetramer Protein



Cat. No. MHC-HM429T

## Description

|                         |  |
|-------------------------|--|
| <b>Source</b>           | Recombinant Human KRAS WT(HLA-A*11:01) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus, tetramer is assembled by biotinylated monomer and streptavidin.<br>It contains Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M) and VVVGAGGVGK peptide. |
| <b>Accession</b>        | AAV53343.1(HLA-A*11:01)&P61769(B2M)&VVVGAGGVGK   |
| <b>Molecular Weight</b> | The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Bis-Tris PAGE result.   |
| <b>Endotoxin</b>        | Less than 1 EU per µg by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC  |

## Formulation and Storage

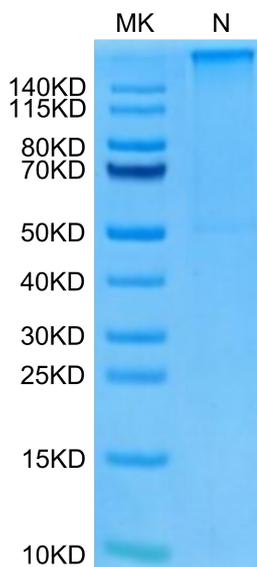
|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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.

## Assay Data

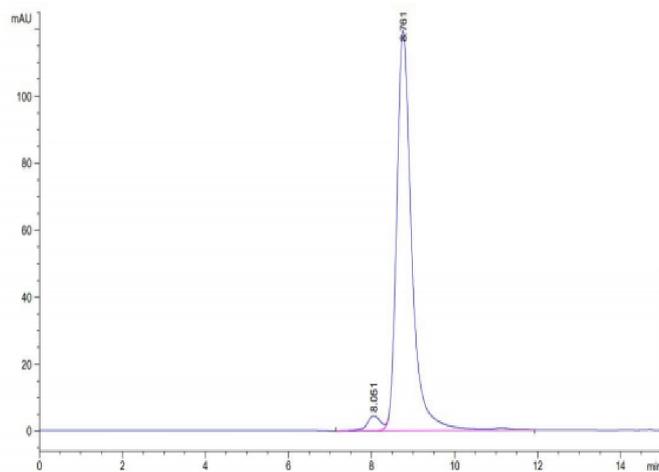
### Bis-Tris PAGE



Human HLA-A\*11:01&B2M&KRAS WT (VVVGAGGVGK) Tetramer on Bis-Tris PAGE under Non reducing (N) condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Human HLA-A\*11:01&B2M&KRAS WT (VVVGAGGVGK) Tetramer is greater than 95% as determined by SEC-HPLC.