

Cat. No. MHC-HM10CTC

**Description**

<b>Source</b>	Recombinant APC-equivalent Human HLA-C*03:04&B2M&KRAS G12D (GADGVGKSAL) Tetramer Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly25-Thr305 (HLA-C 03:04), Ile21-Met119 (B2M) and GADGVGKSAL peptide.
<b>Accession</b>	QAV56463.1(HLA-C*03:04)&P61769(B2M)&GADGVGKSAL
<b>Molecular Weight</b>	The protein has a predicted MW of 300.4 kDa.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

**Formulation and Storage**

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS, 300mM NaCl (pH 7.4).
<b>Storage</b>	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.