APC-equivalent Human HLA-C*03:04&B2M&KRAS G12D (GADGVGKSAL) Tetramer Protein

Cat. No. MHC-HM10CTC

Description

Source	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.
Accession	QAV56463.1(HLA-C*03:04)&P61769(B2M)&GADGVGKSAL
Molecular Weight	The protein has a predicted MW of 300.4 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS, 300mM NaCl (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.