

HLA-C\*03:04&B2M&KRAS G12D (GADGVGKSAL) Tetramer Protein, Human, MHC (His & Avi), PE-

## General Information

**Synonyms:** MHC;KRAS;K-RAS2A;GTPase Kras;KRAS1;C-K-RAS;RASK2;K-Ras 2;K-RAS2B;CFC2;NS3;KI-RAS;NS;K-RAS4B;KRAS2;RALD;K-RAS4A

**Protein Construction:** Gly25-Thr305 (HLA-C\*03:04), Ile21-Met119 (B2M) and GADGVGKSAL peptide

**Species:** Human

**Expression Host:** HEK293 Cells

**Accession:** QAV56463.1(HLA-C\*03:04)&P61769(B2M)&GADGVGKSAL

## QC Testing

**Biological Activity:** Activity has not been tested. It is theoretically active, but we cannot guarantee it.

**Formulation:** Supplied as 0.22 µm filtered solution in PBS, 0.2% BSA (pH 7.4).

## Preparation and Storage

### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein 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.

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