

HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK) Monomer Protein, Human, MHC (His)

General Information

Synonyms:	RALD;CFC2;KI-RAS;C-K-RAS;MHC;NS;KRAS1;K-RAS4B;KRAS2;K-RAS2A;NS3;K-RAS4A;GTPase Kras;RASK2;KRAS;K-Ras 2;K-RAS2B
Protein Construction:	Gly25-Thr305 (HLA-A*11:01), Ile21-Met119 (B2M) and VVVGACGVGK peptide
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAV53343.1(HLA-A*11:01)&P61769(B2M)&VVVGACGVGK
Molecular Weight:	48.40 kDa (Predicted); 50-60 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μm filtered solution in PBS (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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481