

KRAS Protein, Human, Recombinant (His)

General Information

Synonyms:	KRAS;KRAS2;c-Ki-ras;K-Ras 2;RASK2;c-K-ras;GTPase KRas;Ki-Ras
Protein Construction:	2-168 aa
Species:	Human
Expression Host:	E. coli
Accession:	P01116
Molecular Weight:	23.1 kDa (predicted)
AA Sequence:	TEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDITAGQEEYSAMRDQYMRTG EGFLCVFAINNTKSFEDIHHYREQIKRVKDESDVPMVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTR QRVEDAFYTLVREIRQYRL

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

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

Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the regulation of cell proliferation. Plays a role in promoting oncogenic events by inducing transcriptional silencing of tumor suppressor genes (TSGs) in colorectal cancer (CRC) cells in a ZNF304-dependent manner.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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