Recombinant Human GTPase KRas/KRAS(G12V) Protein

Catalog No.: RP01239

Sequence Information

Species	Gene ID
Human	3845
Swiss Prot	**Tags**
P01116	C-6*His

Synonyms

KRAS, C-K-RAS, CFC2, K-RAS2A, K-RAS2B, K-RAS4A, K-RAS4B, KI-RAS, KRAS1, KRAS2, NS, NS3, RALD, RASK2, c-Ki-ras2, GTPase KRas,C-K-RAS,CFC2,K-RAS2A,K-RAS2B,K-RAS4A,K-RAS4B,KI-RAS, KRAS1,KRAS2,NS,NS3,RALD, RASK2,c-Ki-ras2

Product Information

Source	Purification
E. coli	≥ 85 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
22.04 kDa	22-25 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description

Recombinant Human GTPase KRas/KRAS(G12V) Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Thr2-Cys186(Gly12Val)) of human GTPase KRas/KRAS (Accession #NP_203524.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human KRAS, His Tag at 2 μg/mL (100 μL/well) can bind Anti-KRAS Ab with a linear range of 42-84.56 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20℃

Operational Notes

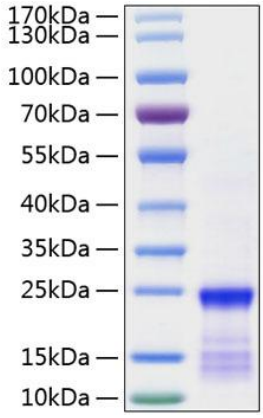
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

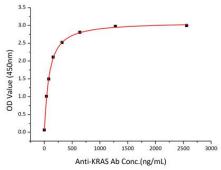
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Validation Data



Recombinant Human GTPase KRas/KRAS(G12V) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human KRAS, His Tag at 2μg/mL (100 μL/well) can bind Anti-KRAS Ab with a linear range of 42-84.56ng/mL.

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