Recombinant Human GTPase KRas/KRAS (G12D) (GDP load)Protein

Catalog No.: RP03583LQ

Sequence Information

Species
Human

Gene ID
3845

Swiss Prot
P01116-2

Tags
22-25 kDa

Synonyms
KRAS, KRAS2, RASK2， GTPase KRas, GTPase KRas, N-terminally processed

Product Information

Source
E. coli

Purification
> 95 % as determined by SDS-PAGE.

Calculated MW
21.5 kDa

Observed MW
22-25 kDa

Endotoxin

Formulation
Supplied as a 0.22 μm filtered solution in 20mM Tris, 150mM NaCl, 1mM DTT, 10% glycerol, pH7.4

Reconstitution

Background

Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.
Plays an important role in the regulation of cell proliferation.
Activates MAPK1/MAPK3 resulting in phosphorylation and ultimately degradation of GJA1.
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.

Basic Information

Description
Recombinant Human GTPase KRas/KRAS (G12D) (GDP load) Protein is produced by E. coli expression system. The target protein is expressed with sequence (Met1-Lys169) of Human GTPase KRas/KRAS (Accession #P01116-2) fused with His tag at the N-Terminus.

Activity

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 -70℃

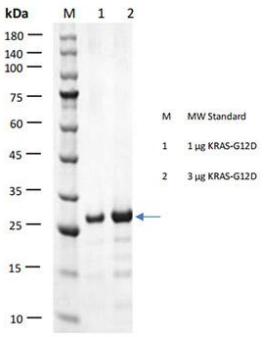
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human GTPase KRas/KRAS (G12D) (GDP load) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.