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Datasheet for ABIN7535081
K-RAS Protein (Gly12Val) (His tag)

Overview

Quantity:	100 µg
Target:	K-RAS (KRAS)
Protein Characteristics:	Gly12Val
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This K-RAS protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human GTPase KRas/KRAS(G12V) Protein
Sequence:	TEYKLVVGA VGVGKSALTI QLIQNHFVDE YDPTIEDSYR KQVWIDGETC LLDILDTAGQ EEYSAMRDQY MRTGEGFLCV FAINNTKSFE DIHHYREQIK RVKDSDEVPM VLVGNKCDLP SRTVDTKQAQ DLARSYGIPF IETSAKTRQR VEDAFYTLVR EIRQYRLKKI SKEEKTPGCV KIKKC
Specificity:	Thr2-Cys186(G12V)
Purity:	> 85 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	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.

Target Details

Target:	K-RAS (KRAS)
Alternative Name:	GTPase KRas/KRAS (KRAS Products)
Target Type:	Viral Protein
Background:	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
Gene ID:	3845
UniProt:	P01116

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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 stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.