Kras4B Protein, Human (G12C, His)

Cat. No.:	HY-P70232
Synonyms:	rHuGTPase Kras4B-G12C, His; Ki-Ras; c-K-ras; KRAS2; RASK2; CFC2
Species:	Human
Source:	E. coli
Accession:	P01116-2 (M1-K169,G12C)
Gene ID:	3845
Molecular Weight:	Approximately 23.0 kDa

PROPERTIES

AA Sequence	M T E Y K L V V V G A C G V G K S A L T I Q L I Q N H F V D E Y D P T I E D S Y R K Q V V I D G E T C L L D I L D T A G Q E E Y S A M R D Q Y M R T G E G F L C V F A I N N T K S F E D I H H Y R E Q I K R V K D S E D V P M V L V G N K C D L P S R T V D T K Q A Q D L A R S Y G I P F I E T S A K T R Q G V D D A F Y T L V R E I R K H K E K
Biological Activity	Measured by its ability to catalyze the substrate GTP. The specific activity is 1.82 nmol/min/mg, as measured under the described conditions.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Kras4B protein establishes a specific interaction with GPR31, and this binding is contingent on farnesylation. This interaction underscores the potential regulatory role of Kras4B in conjunction with GPR31, suggesting a dependence on the farnesylation process. Further exploration into the molecular intricacies of this interaction is essential to unravel the precise mechanisms and functional implications associated with the interplay between Kras4B and GPR31 in cellular processes or

	signaling pathways.

Caution: Product has not been fully validated for medical applications. For research use only.

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