

## KRAS Protein, Human (G12S, His)

Cat. No.:	HY-P70153
Synonyms:	rHuKRAS-G12S, His; Ki-Ras; c-K-ras; KRAS2; RASK2; CFC2
Species:	Human
Source:	E. coli
Accession:	AAH13572.1 (T2-C185,G12S)
Gene ID:	3845
Molecular Weight:	Approximately 25-30 kDa.

### PROPERTIES

AA Sequence	<p>           T E Y K L V V V G A      S 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 M S      K D G K K K K K K S      K T K C         </p>
Biological Activity	1. Biological activity has been tested in vitro. 2. Measured by its ability to catalyze 2m substrate GTP, which can be measured by absorbance at 620 nm that incubate at room temperature for 10 minutes. The specific activity is 716.25 nmo/min/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or PBS, pH 7.4, 5% trehalose.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA