
Product Data Sheet

Product Name: KRAS 2B Human

Cat. No.: GP23767

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; KI-RAS; KRAS1; NS3; RASK2; c-Ki-ras; GTPase KRas; Kirsten Rat Sarcoma Viral Oncogene; KRAS.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQVVIDGET CLLDILDTAG HEEYSAMRDQ YMRTGEGFLC VFAINNTKSF EDIHHYREQI KRVKDSIEDVP MVLVGNKCDL PSRTVDTKQA QDLARSYGIP FIETSAKTRQ GVDDAFYTLV REIRKHKEKM SKDGKKKKKK SKTKC.		
Formulation	KRAS 2B Human solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, 1mM DTT & 10% glycerol.		

Introduction

KRAS is part of the small GTPase superfamily. A single amino acid substitution is accountable for an activating mutation. KRAS participates in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KRAS 2B Recombinant human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-185 a.a.) and having a molecular mass of 23.2 kDa. The Human KRAS 2B is fused to a 20 amino acid His-Tag at N-terminus and

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purified by proprietary chromatographic techniques.

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