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KRAS 2A Human

Kirsten Rat Sarcoma Viral Oncogene, Isoform 2A Human Recombinant
RCP1189

Product Overview

Name	KRAS 2A Human

Description

Kirsten Rat Sarcoma Viral Oncogene, Isoform 2A Human Recombinant

Accession (Primary)	P01116

Synonyms

GTPase KRas, K-Ras 2, Ki-Ras, c-K-ras, c-Ki-ras, KRAS, KRAS2, RASK2, C-K-RAS, CFC2, K-RAS2A, K-RAS2B, K-RAS4A, K-RAS4B, KI-RAS, KRAS1, NS, NS3, Kirsten rat sarcoma viral oncogene homolog.

Introduction

Kirsten Rat Sarcoma Viral Oncogene, Isoform 2A (KRAS-2A) belongs to the small GTPase superfamily. The KRAS-2A protein is involved in a variety of malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Ras family members impact cell growth and differentiation events in a subcellular membrane compartmentalization-based signaling system under normal conditions. Oncogenic Ras can deregulate processes which control both cell proliferation and apoptosis.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

KRAS 2A protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSH MTEYKL VVVGAGGVGK SALTIQLIQN HFVDEYDPTI EDSYRKQVVI DGETCLLDIL DTAGQEEYSA MRDQYMRTGE GFLCVFAINN TKSFEDIHHY REQIKRVKDS EDVPMVLVGN

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KCDLPSRTVD TKQAQDLARS YGIPFIETSA KTRQRVEDAF YTLVREIRQY RLKKISKEEK TPGCVKIKKC.

Precautions

KRAS 2A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01116)