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RAP1A Human

RAP1A, Member RAS Oncogene Family Human Recombinant
RCP1808

Product Overview

Name	RAP1A Human

Description

RAP1A, Member RAS Oncogene Family Human Recombinant

Accession (Primary)	P62834

Synonyms

KREV1, G-22K, C21KG, RAP1A, RAP1, Ras-related protein Rap-1A, GTP-binding protein smg p21A, Ras-related protein Krev-1.

Introduction

RAP1A is part of the family of RAS-related proteins which possess 50% amino acid identity with the classical RAS proteins and have various structural characteristics in common. RAP proteins differ from RAS proteins in their 61st amino acid, glutamine in RAS is replaced by threonine in RAP proteins. RAP1A induces morphological reversion of a cell line transformed by a Ras oncogene and counteracts the mitogenic function of Ras, since it can interact with Ras GAPs and RAF in a competitive manner.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

0.25mg/ml solution containing 20mM Tris HCL pH-8.0, 5mM DTT, 0.2M NaCl & 40% glycerol.

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 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MREYKLVVLG SGGVGKSALT VQFVQGIFVE KYDPTIEDSY RKQVEVDCQQ CMLEILDTAG TEQFTAMRDL YMKNGQGFAL VYSITAQSTF NDLQDLREQI LRVKDTEDVP MILVGNKCDL EDERVVGKEQ GQNLARQWCN CAFLESSAKS KINVNEIFYD LVRQINRKTP VEKKKPKKKS C.

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Precautions

RAP1A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P62834)