
Product Data Sheet

Product Name: RAP1A Human
 Cat. No.: GP24333
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	KREV1; G-22K; C21KG; RAP1A; RAP1; Ras-related protein Rap-1A; GTP-binding protein smg p21A; Ras-related protein Krev-1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MREYKLVVLG SGGVGKSALT VQFVQGIFVE KYDPTIEDSY RKQVEVDCQQ CMLEILDTAG TEQFTAMRDL YMKNGQGFAL VYSITAQSTF NDLQDLREQI LRVKDTEDVP MILVGNKCDL EDERVVGKEQ GQNLARQWCN CAFLESSAKS KINVNEIFYD LVRQINRKTP VEKKKPKKKS C.		
Formulation	0.25mg/ml solution containing 20mM Tris HCL pH-8.0, 5mM DTT, 0.2M NaCl & 40% glycerol.		

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.

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

RAP1A Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 201 amino acids (1-181 a.a.) and having a molecular mass of 22.8 kDa.

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

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The RAP1A is fused to 20 amino acid His-Tag at N-terminus and purified by conventional chromatography.

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