
Product Data Sheet

Product Name: RAP1B Human

Cat. No.: GP24334

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RAP1B; member of RAS oncogene family; DKFZp586H0723; K-REV; RAL1B; GTP-binding protein smg p21B; Ras family small GTP binding protein RAP1B; RAS-related protein RAP1B; small GTP binding protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MREYKLVVLG SGGVGKSALT VQFVQGIFVE KYDPTIEDSY RKQVEVDAQQ CMLEILDTAG TEQFTAMRDL YMKNGQGFAL VYSITAQSTF NDLQLDREQI LRVKDTDDVP MILVGNKCDL EDERVVGKEQ GQNLARQWNN CAFLESSAKS KINVNEIFYD LVRQINRKTP VPGKARKKSS C.		
Formulation	The RAP1B protein solution (0.25mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.		

Introduction

RAP1B is a member of a superfamily of RAS-like small GTP-binding proteins which takes part in cell signaling. RAP1B owns an intrinsic GTPase activity and is universally expressed in mammalian tissues. The alleged effector domain of Ras proteins, whose integrity is required for cell transformation as well as interaction with the putative effector protein GAP, is conserved in both Rap 1 proteins.

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). Please avoid freeze thaw cycles.

Background

RAP1B 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 22.6kDa. RAP1B is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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