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## Product Data Sheet

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Product Name: RAP2A Human  
 Cat. No.: GP24336  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ras-related protein Rap-2a; RbBP-30; RAP2A; KREV; RAP2; K-REV.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MREYKVVVLG SGGVGKSALT VQFVTGTFIE KYDPTIEDFY RKEIEVDSSP SVLEILDTAG TEQFASMRDL YIKNGQGFIL VYSLVNQQSF QDIKPMRDQI IRVKRYEKVP VILVGNKVDL ESEREVSSSE GRALAEWGC PFMETSAKSK TMVDELFAEI VRQMNYAAQP DKDDPCCSAC.		
Formulation	The RAP2A solution (1 mg/ml) 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.		

### Introduction

RAP2A belongs to the RAS oncogene family and a Ras-like small G protein. The RAP2A protein shares 60% identity with Rap1A and exhibits a carboxy-terminal CAAX motif and 2 upstream cysteines similar to those of the H-Ras, K-Ras and N-Ras proteins. In contrast with Rap1A and Rap1B, overexpression of RAP2A doesn't obstruct the Ras signaling pathway.

### 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

RAP2A Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 200 amino acids (1-180 a.a.) and having a molecular mass of 22.4kDa. The RAP2A is purified by proprietary chromatographic techniques.

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

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