

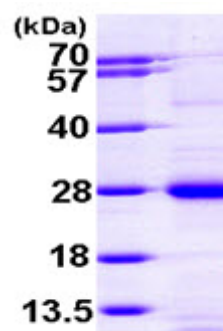
AR09535PU-N

Human RAP1A (1-181, His-tag) - Purified

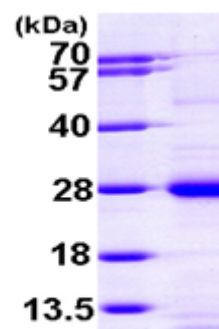
Alternate names:	C21KG, GTP-binding protein smg p21A, KREV-1, KREV1, RAP-1A, Ras-related protein Krev-1, Ras-related protein Rap-1A
Quantity:	50 µg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	Ras-related protein Rap-1A (RAP1A) belongs to the family of RAS-related proteins. These proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between RAP proteins and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. This Protein Induces morphological reversion of a cell line transformed by a Ras oncogene and Counteracts the mitogenic function of Ras, at least partly because it can interact with Ras GAPs and RAF in a competitive manner.
Uniprot ID:	P62834
NCBI:	NP_001010935
GenelD:	5906
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 5mM DTT, 200mM NaCl
Description:	Recombinant human RAP1A, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MREYKLVVLG SGGVGKSALT VQFVQGIFVE KYDPTIEDSY RKQVEVDCQQ CMLEILD TAG TEQFTAMRDL YMKNQGQFAL VYSITAQSTF NDQLDLREQI LRVKDTEVP MILVGNKCDL EDERVVGKEQ GQNLARQWCN CAFLESSAKS KINVNEIFYD LVRQINRKTP VEKKKPKKKS C Molecular weight: 22.8 kDa (201aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Rebhun, J F, et al. (2000) J Biol Chem. 275 (45): 34901-8.

Pictures:

Recombinant human RAP1A, 1-181aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)