

Product datasheet for **AR09795PU-L**

RAP2A (1-180, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RAP2A (1-180, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MREYKVVVLG SGGVGKSALT VQFVTGTFIE KYDPTIEDFY RKEIEVDSSP SVLEILD TAG TEQFASMRDL YIKNGQGFIL VYSLVNQQSF QDIKPMRDQI IRVKRYEKVP VILVGNKVDL ESEREVSSE GRALAEWGC PFMETSAKSK TMVDELFAEI VRQMNAAAQP DKDDPCCSAC
Tag:	His-tag
Predicted MW:	22.4 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RAP2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_066361</u>
Locus ID:	5911
UniProt ID:	<u>P10114</u>
Cytogenetics:	13q32.1
Synonyms:	K-REV; KREV; RAP2; RbBP-30



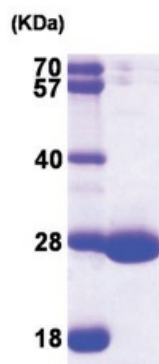
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Summary:

Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. In its active form interacts with and regulates several effectors including MAP4K4, MINK1 and TNIK. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. More generally, it is part of several signaling cascades and may regulate cytoskeletal rearrangements, cell migration, cell adhesion and cell spreading.[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Product images:

15% SDS-PAGE (3ug)