

Product datasheet for AR09535PU-L

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

Product data:

Product Type: Recombinant Proteins

Description: RAP1A (1-181, His-tag) human recombinant protein, 0.25 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MREYKLVVLG SGGVGKSALT VQFVQGIFVE KYDPTIEDSY RKQVEVDCQQ CMLEILDTAG TEQFTAMRDL YMKNGQGFAL VYSITAQSTF NDLQDLREQI or AA Sequence:

LRVKDTEDVP MILVGNKCDL EDERVVGKEQ GQNLARQWCN CAFLESSAKS KINVNEIFYD

LVROINRKTP VEKKKPKKKS C

Tag: His-tag Predicted MW: 22.8 kDa **Concentration:** lot specific

>85% by SDS - PAGE **Purity:**

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 5 mM DTT, 200 mM

NaCl

Preparation: Liquid purified protein

Protein Description: Recombinant human RAP1A, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography.

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: NP 001010935

5906 Locus ID:

UniProt ID: P62834, A8KAH9

Cytogenetics: 1p13.2

Synonyms: C21KG; G-22K; KREV-1; KREV1; RAP1; SMGP21





Summary:

This gene encodes a member of the Ras family of small GTPases. The encoded protein undergoes a change in conformational state and activity, depending on whether it is bound to GTP or GDP. This protein is activated by several types of guanine nucleotide exchange factors (GEFs), and inactivated by two groups of GTPase-activating proteins (GAPs). The activation status of the encoded protein is therefore affected by the balance of intracellular levels of GEFs and GAPs. The encoded protein regulates signaling pathways that affect cell proliferation and adhesion, and may play a role in tumor malignancy. Pseudogenes of this gene have been defined on chromosomes 14 and 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

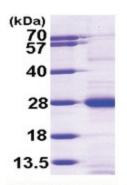
Protein Families:

Druggable Genome

Protein Pathways:

Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Longterm potentiation, MAPK signaling pathway, Neurotrophin signaling pathway, Renal cell carcinoma

Product images:



15% SDS-PAGE (3ug)