

Product datasheet for **AR00161PU-N**

RAP1A Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RAP1A human protein, 25 µg
Species:	Human
Concentration:	lot specific
Buffer:	Presentation State: Purified State: Liquid purified protein. Buffer System: 50 mM Tris (pH 7.5) solution containing 150 mM NaCl, 10 mM MgCl ₂ , 1 mM DTT and 10% Glycerol
Preparation:	Liquid purified protein.
Applications:	Suitable for use in Western blot and Protein-Protein Binding . Rap1A protein is provided as a functional G-protein and can be used as a Western blot control for antibodies to Rap1A protein or in assays to study protein-protein interactions of Rap1A and related proteins with regulatory proteins.
Protein Description:	Functional Rap1A GTP-binding protein tagged with GST.
Storage:	Store the product (in aliquots) at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
RefSeq:	NP_001010935
Locus ID:	5906
UniProt ID:	P62834 , A8KAH9
Cytogenetics:	1p13.2
Synonyms:	C21KG; G-22K; KREV-1; KREV1; RAP1; SMGP21



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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, Long-term potentiation, MAPK signaling pathway, Neurotrophin signaling pathway, Renal cell carcinoma