

# Recombinant Human RASA1

Catalog No: #GP11919



Package Size: #GP11919-1 100ug

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## Description

Product Name	Recombinant Human RASA1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 748-1047 amino acids of human RASA1
Target Name	RAS p21 protein activator (GTPase activating protein) 1
Other Names	GAP; PKWS; RASA; CMAVM; CM-AVM; RASGAP; p120GAP; p120RASGAP
Accession No.	Swissprot:P20936Gene Accession:BC033015
Uniprot	P20936
GeneID	5921;
Storage	-20~-80°C, pH 7.6 PBS

## Background

The protein encoded by this gene is located in the cytoplasm and is part of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. Mutations leading to changes in the binding sites of either protein are associated with basal cell carcinomas. Mutations also have been associated with hereditary capillary malformations (CM) with or without arteriovenous malformations (AVM) and Parkes Weber syndrome. Alternative splicing results in two isoforms where the shorter isoform, lacking the N-terminal hydrophobic region but retaining the same activity, appears to be abundantly expressed in placental but not adult tissues.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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