

RASA1 抗原（重组蛋白）

中文名称： RASA1 抗原（重组蛋白）

英文名称： RASA1 Antigen (Recombinant Protein)

别名： RAS p21 protein activator (GTPase activating protein) 1; GAP; PKWS; RASA; CMAVM; CM-AVM; RASGAP; p120GAP; p120RASGAP

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 748-1047 amino acids of human RASA1

技术规格

Full name:	RAS p21 protein activator (GTPase activating protein) 1
Synonyms:	GAP; PKWS; RASA; CMAVM; CM-AVM; RASGAP; p120GAP; p120RASGAP
Swissprot:	P20936
Gene Accession:	BC033015
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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 i

n 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.