

Ras GTPase-activating protein 1 (RASA1) Recombinant Protein | RASA1 recombinant protein

Recombinant Human Ras GTPase-activating protein 1 (RASA1) , partial

CATALOG # AAA113289	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Ras GTPase-activating protein 1 (RASA1); Recombinant Human Ras GTPase-activating protein 1 (RASA1); partial; RASA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	714-1047aa; Partial, include Ras-GAP Domain
Sequence	MEKIMPEEEY SEFKELILQK ELHVYVALSH VCGQDRTLLA SILLRIFLHE KLESLLLCTL NDREISMEDE ATTLFRATTL ASTLMEQYMK ATATQFVHHA LKDSILKIME SKQSCLESPS KLEKNEDVNT NLTHLLNILS ELVEKIFMAS EILPPTLRYI YGCLQKSVQH KWPTNTTMR RTVVSGFVFLR LICPAILNPR MFNIISDSPS PIAARTLILV AKSVQNLANL VEFGAKEPYM EGVNPFIKSN KHRMIMFLDE LGNVPELPDT TEHSRTDLSR DLAALHEICV AHSDELRTLS NERGAQQHVL KLLAITELL QQQQNQYTKT NDVR
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for RASA1 recombinant protein	This protein 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. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506431
NCBI GeneID	5921
NCBI Accession #	NP_002881.1
NCBI GenBank Nucleotide #	NM_002890.2
UniProt Accession #	P20936 ; Q68CU6 ; Q9UDI1 ; B2R6W3 ; B4DTL2
Molecular Weight	101,546 Da
NCBI Official Full Name	ras GTPase-activating protein 1 isoform 1
NCBI Official Synonym Full Names	RAS p21 protein activator 1

NCBI Official Symbol	RASA1
NCBI Official Synonym Symbols	GAP; PKWS; RASA; p120; CMAVM; CM-AVM; RASGAP; p120GAP; p120RASGAP
NCBI Protein Information	ras GTPase-activating protein 1
UniProt Protein Name	Ras GTPase-activating protein 1
UniProt Gene Name	RASA1
UniProt Synonym Gene Names	GAP; RASA; GAP; GTPase-activating protein; RasGAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rasa1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113289>