

Recombinant Full Length Human RASA3 Protein, GST-tagged

Cat. No. RASA3-6869HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human RASA3 full-length ORF (NP_031394.2, 1 a.a. - 834 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	834 amino acids
Description	The protein encoded by this gene is member 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. This family member is an inositol 1,3,4,5-tetrakisphosphate-binding protein, like the closely related RAS p21 protein activator 2. The two family members have distinct pleckstrin-homology domains, with this particular member having a domain consistent with its localization to the plasma membrane.
Molecular Mass	122.1 kDa
AA Sequence	MAVEDEGLRVFQSVKIKIGEAKNLPSYPGSPKMRDCYCTVNLDQEEVFRTKIVEKSL CPFYGEDFYCEIPRSFRHLSFYIFDRDVFRRDSIIGKVAIQKEDLQKYHNRDTWFQLQ HVDADSEVQGKVHLELRLSEVITDTGVVCHKLATRIVECQGLPIVNGQCDPYATVTL AGPFRSEAKKTKVKRKTNNPQFDEVFYFEVTRPCSYSKKSHFD FEEEDVDKLEIRVD

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LWNASNLKFGDEFLGELRIPLKVLRQSSSYEAWYFLQPRDNGSKSLKPDDLGLSLRL
 NVVYTEDHVFSSDYYSPLRDLLLKSADVEPVVSASAAHILGEVCREKQEAAPLVRLF
 LHYGRVVPFISAIASAEVKRTQDPNTIFRGNSLASKCIDETMKLAGMHYLVTLKPAIE
 EICQSHKPCEIDPVKLKDGENLENNMENLRQYVDRVFHAITESGVSCPTVMCDIFFS
 LREAAAKRFQDDPDVRYTAVSSFIFLRFFAPAILSPNLFQLTPHHTDPQTSRTLTLISK
 TVQTLGSLSKSKSASFKESYMATFYEFFNEQKYADAVKNFLDLISSSGRRDPKSVEQ
 PIVLKEGFMIKRAQGRKRFGMKNFKRWFRLTNHEFTYHKSKGDQPLYSIPIENILAV
 EKLEEESEFKMKNMFQVIQPERALYIQANNCVEAKDWIDILTKVSQCQNQKRLTVYHPS
 AYLSGHWLCCRAPSDSAPGCSPCTGGLPANIQLDIDGDRETERIYSLFNLYMSKLEK
 MQEACGSKSVYDGPEQEEYSTFVIDDPQETYKTLKQVIAGVGALEQEHAQYKRDKF
 KKTKYGSQEHPIGDKSFQNYIRQQSETSTHSI

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

RASA3 RAS p21 protein activator 3 [Homo sapiens (human)]

Official Symbol

RASA3

Synonyms

RASA3; RAS p21 protein activator 3; GAPIII; GAP1IP4BP; ras GTPase-activating protein 3; GTPase activating protein III; GTPase-activating protein 1 family, inositol 1,3,4,5-tetrakisphosphate-binding protein; Ins(1,3,4,5)P4-binding protein; ins P4-

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binding protein	
Gene ID	22821
mRNA Refseq	NM_007368
Protein Refseq	NP_031394
MIM	605182
UniProt ID	Q14644

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