Recombinant Human RASA3 Protein, GST-tagged

Cat. No. RASA3-5906H **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	Wheat Germ
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	MAVEDEGLRVFQSVKIKIGEAKNLPSYPGPSKMRDCYCTVNLDQEEVFRTKIVEKSL CPFYGEDFYCEIPRSFRHLSFYIFDRDVFRRDSIIGKVAIQKEDLQKYHNRDTWFQLQ HVDADSEVQGKVHLELRLSEVITDTGVVCHKLATRIVECQGLPIVNGQCDPYATVTL AGPFRSEAKKTKVKRKTNNPQFDEVFYFEVTRPCSYSKKSHFDFEEEDVDKLEIRVD LWNASNLKFGDEFLGELRIPLKVLRQSSSYEAWYFLQPRDNGSKSLKPDDLGSLRL

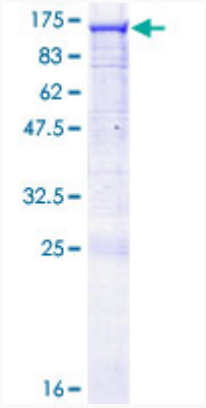
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	NVVYTEDHVFSSDYYSPLRDLLLKSADVEPVSASAAHILGEVCREKQEAAVPLVRLF LHYGRVVPFISAIASAEVKRTQDPNTIFRGNSLASKCIDETMKLAGMHYLHVTLKPAIE EICQSHKPCEIDPVKLKDGENLENNMENLRQYVDRVFHAITESGVSCPTVMCDIFFS LREAAAKRFQDDPDVRYTAVSSFIFLRFFAPAILSPNLFQLTPHHTDPQTSRTLTLISK TVQTLGSLSKSKSASFKESYMATFYEFFNEQKYADAVKNFLDLISSSGRRDPKSVEQ PIVLKEGFMIKRAQGRKRFGMKNFKKRWFRLTNHEFTYHKSKGDQPLYSIPIENILAV EKLEEESFKMKNMFQVIQPERALYIQANNCVEAKDWIDILTKVSQCNQKRLTVYHPS 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-binding protein

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	22821
mRNA Refseq	NM_007368
Protein Refseq	NP_031394
MIM	605182
UniProt ID	Q14644
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA