

Full-Length

RASA4 (Human) Recombinant Protein (P01)

Catalog # H00010156-P01

Size 50 ug

Specification

Product Description	Human RASA4 full-length ORF (ADR83403.1, 1 a.a. - 803 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAKRSSLYRMEGKNLPAKDITGSSDPYCMKVDNEPIIRTATVWKTLCPFWGEEYQVHLPPTFHA VAFYVMDEDALSRDDVIGKVCLTRDTIASHPKGFSGWAHLTEVDPDEEVQGEIHLRLEVWPGAR ACRLRCSVLEARDLAPKDRNGTSDPFVRVRYKGRTRTSIVKKSCYPRWNETFEFELQEGAMEA LCVEAWDWDLVSRNDFLGKVVIDVQRLRVVQQEEGWFRQLQPDQSKSRRHDEGNLGSLEVR LRDETVLPSSYYQPLVHLLCHEVKLGMQGPQGLIPLIEETTSTECRQDVATNLLKLFLGQGLAKDF LDLLFQLELSRTSETNTLFRSNSLASKSVESFLKVAGMQYLHGVLGPIINKVFEEKKYVELDPSKV EVKDVGC SGLHRPQTEAEVLEQSAQTLRAHLGALLSALSRSVRACPAVVRATFRQLFRRVRERF PGAQHENVPIAVTSFLCLRFFSPAIMSPKLFHLRERHADARTSRTLLLLAKAVQNVGNMDTPASR AKEAWMEPLQPTVRQGVAQLKDFITKLVDIEEKDELQRTLSQLAPPVKEGPLFIHRTKGKGPL MSSSFKKLYFSLTTEALSFAKTPSSKKSALIKLANIRAAEKVEEKSFGGSHVMQVIYDDAGRPQT AYLQCKCVNELNQWLSALRKVSINNTGLLSYHPGVFRGDKWSCCHQKEKTGQGCDKTRSRVT LQEWNDPLDHDLEAQLIYRHLLGVEAMLWERHRELSGGAEAGTVPTSPGKVPEDSLARLLRVLQ DLREAHSSSPAGSPSEPNCLELQT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	88.4
Interspecies Antigen Sequence	Mouse (86); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — RASA4

Entrez GeneID [10156](#)

GeneBank Accession# [HQ258652.1](#)

Protein Accession# [ADR83403.1](#)

Gene Name RASA4

Gene Alias CAPRI, GAPL, KIAA0538, MGC131890

Gene Description RAS p21 protein activator 4

Omim ID [607943](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the GAP1 family of GTPase-activating proteins that suppresses the Ras/mitogen-activated protein kinase pathway in response to Ca(2+). Stimuli that increase intracellular Ca(2+) levels result in the translocation of this protein to the plasma membrane, where it activates Ras GTPase activity. Consequently, Ras is converted from the active GTP-bound state to the inactive GDP-bound state and no longer activates downstream pathways that regulate gene expression, cell growth, and differentiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations Ca2+-promoted Ras inactivator|Ras GTPase-activating protein 4|calcium-promoted Ras inactivator