

Recombinant Human ARHGAP22 protein, GST-tagged

Cat. No. ARHGAP22-764H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGAP22 full-length ORF (ADR83111.1, 1 a.a. - 714 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the GTPase activating protein family which activates a GTPase belonging to the RAS superfamily of small GTP-binding proteins. The encoded protein is insulin-responsive, is dependent on the kinase Akt and requires the Akt-dependent 14-3-3 binding protein which binds sequentially to two serine residues. The result of these interactions is regulation of cell motility. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Molecular Mass	78.6 kDa
AA Sequence	MLSPKIRQARRARSKSLVMGEQSRSPGRMPCPHRLGPVLKAGWLKKQRSIMKNW QQRWFLVRGDQLFYKDKDEIKPQGFIQLGQTQVTELP GPEDPGKHLFEISPGGA GEREKVPANPEALLMASSQRDMEDWVQAIRRVIWAPLGGGTARRSHAHLEPLPP GIFGQRLEETVHHERKYGPRLAPLLVEQCVD FIRERGLTEEGLFRMPGQANLVRDL QDSFDCGEKPLFDSTTDVHTVASLLKLYLRELPEPVVPFARYEDFLSCAQLLTKDEG EGTLELAKQVSNLPQANYNLLRYICKFLDEVQAYSNNKMSVQNLATVFGPNILRPQ VEDPVTIMEGTSLVQHLMTVLIRKHSQ LFTAPVPEGPTSPRGG LQCAVGWGSEEV T

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RDSQGEPPGGPLPAHRTSSLDGA AVAVLSRTAPTGP GSRCS PGKKVQTLPSWKSS
FRQPRSLSGSPKGGGSSLEVPIISSGGNWL MNGLSSLRGHRRASSGDRLKDSGSV
QRLSTYDNVPAPGLVPGIPSVASMAWSGASSSESSVGGSLSSCTACRASDSSARS
SLHTDWALEPSPLPSSSEDPKSLDL DHSMDEAGAGASNSEPSEPDSPTREHARRS
EALQGLVTELRAELCRQRTEYERSVKRIEEGSADLRKRMSRLEEELDQEKKKYIMLEI
KLRNSERAREDAERRNQLLQREMEEFFSTLGSLTVGAKGARAPK

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

ARHGAP22 Rho GTPase activating protein 22 [Homo sapiens]

Official Symbol

ARHGAP22

Synonyms

ARHGAP22; Rho GTPase activating protein 22; rho GTPase-activating protein 22;
RhoGAP2; rho-type GTPase-activating protein 22; RhoGap22;

Gene ID

58504

mRNA Refseq

NM_001256024

Protein Refseq

NP_001242953

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MIM	610585
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UniProt ID	Q7Z5H3
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