

Recombinant Human ARHGAP22 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARHGAP22-5860H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARHGAP22 MS Standard C13 and N15-labeled recombinant protein (NP_067049) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	76.6 kDa
AA Sequence	MLSPKIRQARRARSKSLVMGEQSRSPGRMPCPHRLGPVLKAGWLKKQRSIMKNW QQRWFLVRGDQLFYKDKDEIKPQGFIQLGQTQVTELPPGPEDPGKHLFEISPGGA GEREKVPANPEALLMASSQRDMEDWVQAIRRVIWAPLGGGIFGQRLEETVHHERK YGPRLAPLLVEQCVDFIRERGLTEEGLFRMPGQANLVRDLQDSFDCGEKPLFDSTT DVHTVASLLKLYLRELPEPVVPFARYEDFLSQAQLLTKDEGEGTLELAKQVSNLPQA NYNLLRYICKFLDEVQAYSNVNKMSVQNLATVFGPNILRPQVEDPVTIMEGTSLVQH LMTVLIRKHSQFLTAPVPEGPTSPRGGQLQCAVGWGSEEVTRDSQGEPGGPGLPAH

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RTSSLDGAAVAVLSRTAPTGPGRCSPPGKKVQTLPSWKSSFRQPRSLSGSPKGGG
 SSLEVPIISSGGNWLMMNGLSSLRGHRRASSGDRLKDSGSVQRLSTYDNVPAPGLVP
 GIPSVASMAWSGASSSESSVGGSLSSCTACRASDSSARSSLHTDWALEPSPLPSSS
 EDPKSLDLDHSMDEAGAGASNSEPSPTREHARRSEALQGLVTELRAELCRQ
 RTEYERSVKRIIEGSADLRKRMSRLEEELDQEKKKYIMLEIKLRNSERAREDAERRN
 QLLQREMEEFFSTLGLTVGAKGARAPKTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ARHGAP22 Rho GTPase activating protein 22 [Homo sapiens (human)]

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_021226

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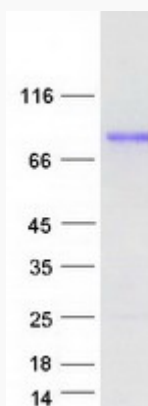
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Protein Refseq NP_067049

MIM 610585

UniProt ID Q7Z5H3

SDS-PAGE



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