

Recombinant Human ARHGAP29 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ARHGAP29-194H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARHGAP29 MS Standard C13 and N15-labeled recombinant protein (NP_004806) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Rap1 is a small GTPase that, through effectors, regulates Rho GTPase signaling. These effectors- Rasip1, Radil, and the protein encoded by this gene- translocate to the cell membrane, where they form a multiprotein complex. This complex is necessary for Rap1-induced inhibition of Rho signaling. Defects in this gene may be a cause of nonsyndromic cleft lip with or without cleft palate. [provided by RefSeq, Jun 2016]
Molecular Mass	142.1 kDa
AA Sequence	MIAHKQKKTKKKRAWASGQLSTDITTSEMGLKSLSSNSIFDPDYIKELVNDIRKFSHM LLYLKEAIFSDCFKEVIHIRLEELLRLVLSIMNKHQNLNSVDLQNAAEMLTAKVKAVNF TEVNEENKNDLFQEVFSSIETLAFTFGNILTNFLMGDVGNDSSLRLPVSRETKSFENV SVESVDSSSEKGNFSPLELDNVLLKNTDSIELALSYAKTWSKYTKNIVSWVEKKLNLE LESTRNMVKLAEATRTNIGIQEFMPLQSLFTNALLNDIESSHLLQQTIAALQANKFVQP LLGRKNEMEKQRKEIKELWKQEQNKMLEAENALKKAKLLCMQRQDEYEKAKSSMF RAEEHLSSSGGLAKNLNKQLEKKRRLEEEALQKVEEANELYKVCVTNVEERRNDL

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ENTKREILAQRLTLVFQCDLTLKAVTVNLFHMQHLQAASLADSLQSLCDSAKLYDPG
 QEYSEFVKATNSTEEKVDGNVKNHLNSSQPSGFGPANSLVDVRLPDSSNKIEED
 RCSNSADITGPSFIRSWTFGMFSDSESTGGSSSRSLDSEISPGDFHRKLPRT PSS
 GTMSSADDLDEREPPSPSETGPNLGLTFKKTLMASKAALTHKFRKLRSPTKCRDCEG
 IVVFQGVCEEECLLVCHRKCLENLVIICGHQKLPKGKIHFGAEFTQVAKKEPDGIPFIL
 KICASEIENRALCLQGIYRVCGNKIKTEKLCQALENGMHLVDISEFSSHIDICDVLKLYL
 RQLPEPFILFRLYKEFIDLAKEIQHVNEEQETKKNLEDKKWPNMCIEINRILLKSKDLL
 RQLPASNFNSLHFLIVHLKRVVDHAEENKMNSKNLGVIFGPSLIRPRPTTAPITISSLA
 EYSNQARLVEFLITYSQKIFDGSLQPQDVMCSIGVVDQGC FPKPLLSPEERDIERSM
 KSLFFSSKEDIHTSESESKIFERATSFEESERKQNALGKCDACLSDKAQLLLDQEAES
 ASQKIEDGKTPKPLSLKSDRSTNNVERHTPRTKIRPVSLPVDRLLLASPPNERNGRN
 MGNVNLDFCKNPAFEGVNRKDAATTVC SKFNGFDQQT LQKIQDKQYEQNSLTAKT
 TMIMPSALQEKGVTTS LQISGDHSINATQPSKPYAEPVRSVREASERRSSDSYPLAP
 VRAPRTLQPQHWTTFYKPHAPIISIRGNEEKPASPSAAVPPGTDHDPHGLVVKSM PD
 PDKASACPGQATGQPKEDSEELGLPDVNPMCQRPR LKRMQQFEDLEDEIPQFVTR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

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

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Gene Name	ARHGAP29 Rho GTPase activating protein 29 [Homo sapiens (human)]
Official Symbol	ARHGAP29
Synonyms	ARHGAP29; Rho GTPase activating protein 29; rho GTPase-activating protein 29; PARG1; PTPL1-associated RhoGAP 1 (PARG1); PTPL1-associated RhoGAP protein 1; rho-type GTPase-activating protein 29; RP11-255E17.1;
Gene ID	9411
mRNA Refseq	NM_004815
Protein Refseq	NP_004806
MIM	610496
UniProt ID	Q52LW3
SDS-PAGE	