

Product datasheet for PH310830

Rho GTPase activating protein 29 (ARHGAP29) (NM_004815) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARHGAP29 MS Standard C13 and N15-labeled recombinant protein (NP_004806)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210830
Predicted MW:	142.1 kDa
Protein Sequence:	>RC210830 protein sequence Red=Cloning site Green=Tags(s)

MIAHKQKKTKKKRAWASGQLSTDITSEMGLKSLSSNSIFDPDYIKELVNDIRKFSHMLLYLKEAIFSDC
 FKEVIHIRLEELLRLVLSIMNKHQNLNSVDLQNAEMLTAKVKAVNFTEVNEENKNDLFQEVFSSIETLA
 FTFGNILTNFLMGDVGNDLLRLPVSRETksFENVSVESVDSSSEKGNFSPLELDNVLLKNTDSIELALS
 YAKTWSKYTKNIVSWVEKKLNLELESTRNMVKLAEATRTNIGIQEFMPLQSLFTNALLNDIESSHLLQQT
 IAALQANKFVQPLLGRKNEMEKQRKEIKELWKEQNKMLEAENALKKAKLLCMQRQDEYKAKSSMFRAE
 EEHLSSSGGLAKNLNKQLEKKRRLEEEALQKVEEANELYKVCVTNVEERRNDLENTKREILAQLRTL VFQ
 CDLT LKAVTVNL FHMQLQAASLADSLQSLCDSAKLYDPGQYSEFVKATNSTEEKVDGNVKNHLNSSQ
 PSGFGPANSLEDVVRLPDSSNKIEEDRCSNSADITGPSFIRSWTFGMFSDSESTGGSSSESRLDSEISIP
 GDFHRKLPRTPSSGTMSADDLDEREPPSPSETGPNSLGTFFKTLMSKAALTHKFRKLRSPTKCRDCEGI
 VVFQGVCEEECLLVCHRKCLENLVIICGHQKLPKGIHLFGAEFTQVAKKEPDGIPFILKICASEIENRAL
 CLQGIYRVCGNKIKTEKLCQALENGMHLVDISEFSSHDICDVLKLYLRQLPEPFI LFRLYKEFIDLAKEL
 QHYNEEQETKKNLSLEDKWPNCIEINRILLKSKDLLRQLPASNFNSLHFLIVHLKRVVDHAEENKMNSK
 NLGVIFGPSLIRPRPTTAPITISSLAEYSNQARLVEFLITYSQKIFDGLQPDVMCSIGVVDQGCFFPKP
 LLSPEERDIERSMKSLFFSSKEDIHTSESESKIFERATSFEESERKQNALGKCDACLSDKAQLLLDQAEAE
 SASQKIEDGKTPKPLSLKSDRSTNNVERHTPRTKIRPVSLPVDRLLLASPPNERNGRMGNVNLDFCKN
 PAFEGVNRKDAATTVCSEKFNFGDQQLQKIQDKQYEQNSLTAKTTMIMPALQEKGVTTSLQISGDHSIN
 ATQPSKPYAEPVRSVREASERRSSDSYPLAPVRAPRTLQPHWTTFYKPHAPIISIRGNEEKPASPSAAV
 PPGTDHDPHGLVVKSMPPDKASACPGQATGQPKEDSEELGLPDVNPMCQRPRLLKRMQQFEDLEDEIPQF
 V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

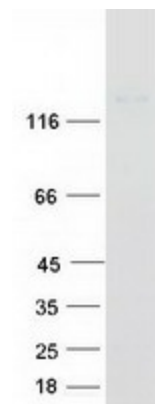
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004806
RefSeq Size:	9121
RefSeq ORF:	3783
Synonyms:	PARG1
Locus ID:	9411
UniProt ID:	Q52LW3
Cytogenetics:	1p22.1
Summary:	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]

Product images:



Coomassie blue staining of purified ARHGAP29 protein (Cat# [TP310830]). The protein was produced from HEK293T cells transfected with ARHGAP29 cDNA clone (Cat# [RC210830]) using MegaTran 2.0 (Cat# [TT210002]).