

Product datasheet for TP511871

Arhgap29 (NM_172525) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse Rho GTPase activating protein 29 (Arhgap29), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR211871 representing NM_172525
Red=Cloning site Green=Tags(s)

MIAHKQKKAKKKRVWASGQPSAAITSEMGLKSVSSSSSFDPEYIKELVNDVRKFSHMLLYLKEAILSDC
FKEVIHIRLDELLRVLKSILSKHQNLSSVDLQSAEVLAKVKAVNFTEVNEENKNDIFREVFSSIETLA
FTFGNILTNFLMGDVGSDSILRLPISRESKSFENISVDSVDLPHEKGNFSPIELDNLLLKNTDSIELALS
YAKTWSKYTKNIVSWVEKLNLELESTRNIVKLAETRSSIGIQEFMPLQSLFTNALLSDIHSLLQQT
IAALQANKFVQPLLGRKNEMEKQRKEIKDLWKQQQNKLETTETALKKAKLLCMQRQDEYEKAKSSMFRAE
EEQLSSSVGLAKNLNKQLEKRRRLEEEALQKVEEANEHYKVCVTNVEERRNDLENTKREILTQLRTLQVFQ
CDLTLKAVTVNLFHMQQQLQAASLANSLQSLCDSAKLYDPGQEYSEFVKATSSSELEEKVDGNVKNQMTNS
PQTSGYEPADSLEDVARLPDSCHKLEEDRCSNSADMTGPSFVRSWKFGMFSDESESTGGSSSESRLDSESI
SPGDFHRKLRPTPSSGTMSADDLDEREPPSPSEAGPNSLGAFKKTLMMSKAALHFKRKLRSPTKCRDCD
GIVMFPGVECEECLLVCHRKCLLENLVIICGHQKLQGMHIFGAEFIQVAKKEPDGIPFVLKICASEIENR
ALCLQGIYRVCGNKIKTEKLCQALENGMHLVDISEFSSHDICDVLKLYLRQLPEPFILFRLYKEFIDLAK
EIQHVNEEQEAKKDSPEDKKHPHVSIEVNRILLKSKDLLRQLPASHFNSLHYLIAHLRRVVDHAEENKMN
SKNLGVIFGPTLIRPRPTTAPVTISSLAEYSNQARLVEFLITYSQKIFDGLSQPQAVISNTGAVAPQVD
QGYLPKPLLSPDERDTHDSMKPLFFSSKEDIRSSDCESKSFELTTSFEESERRQNALGKCDAPLLDNKVH
LLFDQEHEASQKMEDVCKSPKLLLLKSNRAANSVQRHTPRTKMRPVSLPVDRLLLASSPTERSRDVG
NVDSDFKFGKNPAFEGLRKDNSTTRSKVNGFDQQNVQKSWDTQYVRNNTAKTTMIVPSAYPEKGLTVN
TGNNRDHPGSKAHAEPARAAGDVSERRSSDCPATAVRAPRTLQPQHWTTFFYKPPNPTFSVRGTEEKAL
PSIAVPPVLVHAPQIHVTKSDPDSEATLACPVQTSQGPKESSEEPALPEGTPTCQRPRLKRMQQFEDLED
EIPQFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 142.8 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_766113
Locus ID:	214137
UniProt ID:	Q8CGF1
RefSeq Size:	5133
Cytogenetics:	3 G1
RefSeq ORF:	3798
Synonyms:	6720461J18Rik; A830014I19; AU040217; B130017I01Rik; C76601; Parg1
Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. Has strong activity toward RHOA, and weaker activity toward RAC1 and CDC42. May act as a specific effector of RAP2A to regulate Rho (By similarity). In concert with RASIP1, suppresses RhoA signaling and dampens ROCK and MYH9 activities in endothelial cells and plays an essential role in blood vessel tubulogenesis.[UniProtKB/Swiss-Prot Function]