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Product datasheet for TP508068

Arhgap22 (BC038272) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Rho GTPase activating protein 22 (cDNA clone MGC:47316 IMAGE:4237331), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208068 protein sequence Red=Cloning site Green=Tags(s) MASSQRDMEDWVQAIRRVIWAPLGRGIFGQRLEDTVHHERKFGPRLAPLLVEQCVDFIRERGLSEEGLFR MPGQANLVRDLQDSFDCGEKPLFDRFLDEVQAHSDVNKMSVQNLATVFGPNILRPQIEDPVTIMEGTSLV QHLMTVLIRKHGQLFAATSLEEPASPHGTVEWGSEEVTRDHRGEPGSPGLPTHRTSSLDGPAAAVLSRTS PPRLGSQTGPAATSPGKKMHTLPVWKSSFRQQGSRSESPKGVNSSLEVPIISSGGNWLINGLSSLRSHRR ASSGDRLKDTGSAQRLSTYDNVPPSSQFSSTASVASTSWSVASSSREASVSSCTACRASNSSACSSLHTE WALEPSPLPSSSEGHQSPDLGHSLDEPCVGSGSSEPNDPGSPTQAHVRRCRALQGQVAELRAELCQQRTE YKRSLKSIEEGSADLRKQMSRLEEELDQERKKYAMLEIKLRNSERAREDAERRNQLLQREMEEFFSTLGS LTTGTKGSRAPE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	55.1 kDa
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.

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Locus ID:	239027
UniProt ID:	Q8BL80
RefSeq Size:	2108
Cytogenetics:	14 B
RefSeq ORF:	1506
Synonyms:	MGC47316, RHOGAP2
Summary:	Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1-dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter.[UniProtKB/Swiss-Prot Function]