

Product datasheet for TP518590

Arhgap45 (NM_001142701) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Rho GTPase activating protein 45 (Arhgap45), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218590 representing NM_001142701 Red =Cloning site Green =Tags(s)

MFSRKKRELMKTPSISKKNRAGSPNPQSSSGELPRKDWTEAPGLEPPATSLSTVAKGTGTLKRPTSLSRH
ASAAGFPLSGTATWTLGRGYRSPLSAASPAELPTEGAFPDGVEDISTLLADVARFAEGLEKLKECVLQDD
LLEARPLAHECLGEALRVMRQVISRYPLLNTVETLTAAGTLIAKVKAHYECNNESDKREFEKALETIA
VSFCTVSEFLLGEVDSSTLLAVPPGDPSQSMENLYGAGTEGPPHNVEECEEGCLPPEEVDMLLQRCEGG
VDAALQYAKDMARYMKDLISYLEKRITTEMEFAKGLQKVHNCRQSVTHEPHMPLLSIYSLALEQDLEFG
HGMVQAAGTLQTQTFMQPLTLRRLHERRRKEIKESWHRAQRKLQEAANLRKAKQGYKQRCEHDHDKARL
QVAKAEQQGTGPGAGTAASKALDKRRRLEEEAKNKAEEAMATYRTCVAADAKTQKQELEDTKVTALRQI
QEVIRQSDQTIKATISYYQLMHMQTAPLPVNFQMLCESSKLYDPGQQYASHVRQLQRGEEPDRVYDFEP
YVSNNSWSPIMRTRKGSFNPGDASGPEAAGSPPEEGGTSEAAPNKDHRGGRGHQVHKSWPISISDTEVGL
DTSSGDLKKFDRSSTSGTMSSEELGDQEAAGLVASAFDSADLNGMDPELVPVAMPSPGFRHVGLSKAARTH
RLRKLRTPAKCRECNSYVYFQGAEECECCLACHKKCLETLAIQCGHKKLQGRLLQFGQDFSQAALSTPDG
VPFVKKCVCEIERRALHTKGIYRVNGVKTRVEKLCQAFENGKELVELSQASPHDISNVLKLYLRQLPEP
LISFRFYHELVLAKDSLKAEAEAKAASRGRQGGSEEAATLAMVGRRLRELMDLPAENRATLLYLLKHL
RRIVEMEQDNKMTPGNLGIVFGPTLLRPRPTDATVSSLVDYPHARVIETLIVHYGLVFEFEEPEEAPG
SQEGASTQCGQLESAEGIVFPLQEEAEDGSRESHAASNDSDSELEDASDPLSSSDASALHRLSFLQTEA
GLEEGPQSHSGSEEQLEGEDGAPGPWLCHFNTNQSNTSRAPLPTMRLRGGQITGGTSQERQPQFV

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	123.3 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



[View online »](#)

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_001136173
Locus ID:	70719
UniProt ID:	Q3TBD2 , G3X9Q3
RefSeq Size:	3928
Cytogenetics:	10 C1
RefSeq ORF:	3348
Synonyms:	6330406L22Rik; AW539505; Ha-1; Hmha1
Summary:	Contains a GTPase activator for the Rho-type GTPases (RhoGAP) domain that would be able to negatively regulate the actin cytoskeleton as well as cell spreading. However, also contains N-terminally a BAR-domain which is able to play an autoinhibitory effect on this RhoGAP activity. [UniProtKB/Swiss-Prot Function]