

Product datasheet for TP517977

Magi2 (NM_001170746) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse membrane associated guanylate kinase, WW and PDZ domain containing 2 (Magi2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR217977 representing NM_001170746
Red=Cloning site Green=Tags(s)

MSKSLKKKSHWTSKVVHESVIGRNPEGQLGFELKGGGAENGQFPYLGEVKPGKVAYESGSKLVSEELLLEVN
ETPVAGLTIRDVLAVIKHCKDPLRLKCVKQGGIVDKDLRHYLNLRQKGSVDHELQIIRDNLRLRTPVC
TTRPHKEGEVPGVDYIFITVEEFMELEKSGALLESPTYEDNYGTPKPPAEPAPLLNVDQILPGATPSA
EGKRKRKNSVTNMEKASIEPPEEEEEERPVVNGVITPESSEHEDKSAGASGETPSQPYPAPVYSQPE
ELKDQMDDTKPTKPEENEDSDPLPDNWEMAYTEKGEVYFIDHNTKTTSWLDPRLAKKAKPPEECKENELP
YGWEKIDDPYGYVDHINRRTQFENPVLEAKRKLQHNMPHTELGAKPLQAPGFREKPLFTRDASQLK
GTFLSTTLKSNMFGFTIIGGDEPDEFLLQVKSVIPDGPAAQDGKMETGDVIVYINEVCVLGHTHADVVK
LFQSVPIGQSVNLVLCRGYPLFPDPEDPANSMPVPLAIMERPPPVMVNGRHNHYETYLEYISRTSQQSVPDI
TDRPPHSLHSMADGQLDGTYPVHDDNVSMASGATQAEMLTIVKGAQGGFTIADSPTGQRVKQI
LDIQGCPGLCEGLIVEINQQNVQNLSTEVVDILKDCPVGSETSLIHRGGFFSPWKTPKPMMDRWENQ
GSPQTSLSAPAVPQNLFPFPALHRSSFPDSTEAFDPRKPDYELYEKSRAIYESRQQVPPRTSFRMDSSG
PDYKELDVHLRRMESGFGFRILGGDEPGQPILIGAVIAMGSADRDGRLHPGDELVVVDGIPVAGKTHRYV
IDLMHHAARNGQVNLTVRRKVLGGGEPENGRSPGSVSTHHSSPRSDYATYSNSNHAAPSSNASPPEGF
ASHSLQTSDVVIHRKENEGFGFVIISLNRPELGATITVPHKIGRIIDGSPADRCALKLVGDRILAVNGQ
SIINMPHADIVKLIKDAGLSVTLRIIPQEELNSPTSAPSEKQSPMAQQHSPLAQQSPLAQPSPATPNSP
VAQPAPPQLQLQGHENSRYSEVKARQDVKPDIRQPPFTDYRQPPLDYRQPPGGDYSQPPPLDYRQHSPD
TRQYPLSDYRQPQDFDYFTVDMKGAKEGFGFSIRGGREYKMDLYVLRLEADGPAIRNGRMRVGDQIIEN
GESTRDMTHARAIELIKSGGRRVRLLLKRGTGQVPEYGMVPSLSMCMKSDKHGSPYFYLLGHPKDTTNP
TPGVLPLPPPQACRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 141.4 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_001164217
Locus ID:	50791
UniProt ID:	Q9WVQ1
RefSeq Size:	6736
Cytogenetics:	5 A3
RefSeq ORF:	3825
Synonyms:	Acvri1; Acvrinp1; Acvrip1; AIP-1; Magi-2; mKIAA0705; S-SCAM
Summary:	Seems to act as scaffold molecule at synaptic junctions by assembling neurotransmitter receptors and cell adhesion proteins. Plays a role in nerve growth factor (NGF)-induced recruitment of RAPGEF2 to late endosomes and neurite outgrowth. May play a role in regulating activin-mediated signaling in neuronal cells. Enhances the ability of PTEN to suppress AKT1 activation (By similarity).[UniProtKB/Swiss-Prot Function]