

Product datasheet for TP526584

Magi3 (NM_133853) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse membrane associated guanylate kinase, WW and PDZ domain containing 3 (Magi3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226584 representing NM_133853 Red =Cloning site Green =Tags(s)

MSKTLKKKKHWLSKVQECASVWAGPPGDLGAEIRGGAERGEFPYLGRLRDEAGGGGGTCCVSVGKAPSPG
DVLLEVNGTPVSGLTNRDTLAVIRHFREPIRLKTVKPGKVINKDLRHYSLSQFQKGSIDHKLQQVIRDNL
YLRTIPCTTRAPRDGEVPGVDYNFISVEQFKALEESGALLESPTYDGNFYGTPKPPAEPSPFPDPVDQV
LFDNEFDTESQRKRRTSVSKMERMDSSLPEEEEDKEAVNGSGSMETREMHSSETDCWMKTVPSYNQTN
SSMDFRNYMMRDENLEPLPKNWEMAYTDTGMIYFIDHNTKTTTWLDPRLCKKAKAPEDCEDGELPYGWEK
IEDPQYGTYYVDHLNQKTQFENPVVEAKRKKQLGQAEIHSAKTDVERAHFTRDPSQLKGVLRASLKKST
MGFGFTIIGGDRPDEFLQVKNVLKDGPAAQDGKIAPGDVIVDINGNCVLGHTHADVVQMFQLVPVNYVN
LTLRCRGYPLPDDSEDPVVDIVAATPVINGQSLTKGETCMNTQDFKLGAMVLDQNGKSGQILASDRNLNGPS
ESSEQRASLASSGSSQPELVTIPLIKGPKGFGFAIADSPTGQKVKMILDSQWCQGLQKGDIIKEIYHQNV
QNLTHLQVVEVLKQFPVGADVPLLILRGGPCSPTKTAKTKDTKENSLETINEPIQPMPFPSPSIIRS
GSPKLDPSEVYLKSKTLYEDKPPNTKDLDFLVRKQESGFGFRVLGGDGPDQSIYIGAIPLGAAEKDGR
RAADELMCIDGIPVKGKSHKQVLDLMTAARNGHVLLTVRRKIFYGEKQPEDESHQAFSQNGSPRLNRAE
LPTRSAPQEAYDVTLQRKENEGFGFVILTSKSKPPPGVIPHKIGRVIDGSPADRCGGLKVGDDHISAVNGQ
SIVDLSHDNIVQLIKDAGVTVTLTVAAAAHHGPPSGTNSARQSPALQHRPMGQAQANHIPGDRIALEGE
IGRDVCSYRHSWSDHKHLAQPDTAVISVWGSRHNQSLGCYPVELERGRGFGFSLRGGKEYNMGLFILR
LAEDGPAIKDGRIHVGDDQIVEINGEPTQGITHTRAIELIQAGGNKVLVLLLRPGTGLIPDHGLAPSGLCSY
VKPEQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	123.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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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_598614
Locus ID:	99470
UniProt ID:	Q9EQJ9
RefSeq Size:	6672
Cytogenetics:	3 45.52 cM
RefSeq ORF:	3378
Synonyms:	4732496O19Rik; 6530407C02Rik; AA407180; A1120132; mKIAA1634
Summary:	Acts as a scaffolding protein at cell-cell junctions, thereby regulating various cellular and signaling processes. Cooperates with PTEN to modulate the kinase activity of AKT1. Its interaction with PTPRB and tyrosine phosphorylated proteins suggests that it may link receptor tyrosine phosphatase with its substrates at the plasma membrane. In polarized epithelial cells, involved in efficient trafficking of TGFA to the cell surface. Regulates the ability of LPAR2 to activate ERK and RhoA pathways. Regulates the JNK signaling cascade via its interaction with FZD4 and VANGL2.[UniProtKB/Swiss-Prot Function]