OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224130

Magi2 (NM_001170746) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magi2 (NM_001170746) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Magi2
Synonyms:	Acvri1; Acvrinp1; Acvrip1; AIP-1; Magi-2; mKIAA0705; S-SCAM
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224130 representing NM_001170746 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCCAAAAGCTTGAAAAAGAAAAGCCACTGGACTAGCAAAGTCCACGAGAGTGTCATTGGCAGGAACC CGGAGGGCCAGCTGGGCTTTGAACTGAAGGGGGGCGCGGAAAACGGACAGTTCCCCTACCTGGGGGAGGT GAAGCCGGGCAAGGTGGCCTATGAAAGCGGCAGCAAGTTGGTGTCCGAGGAGCTGCTGCTGGAGGTGAAC GAGACCCCCGTGGCGGGGCTCACCATCAGGGACGTTCTGGCCGTGATCAAACACTGCAAGGACCCCCTCC GGCTCAAGTGTGTCAAGCAAGGAGGAATTGTTGATAAAGACCTTCGTCACTACCTCAACCTAAGATTTCA GAAGGGTTCTGTTGACCATGAACTACAGCAAATCATCCGTGACAACCTCTACCTCCGCACAGTGCCATGC ACCACAAGGCCACATAAGGAGGGTGAGGTCCCTGGAGTGGACTACATTTTCATAACCGTTGAGGAGTTTA TGGAATTGGAGAAAAGTGGTGCTCTCCTAGAAAGCGGGACCTATGAAGACAACTACTACGGTACCCCGAA GCCTCCAGCTGAACCAGCACCATTATTAAATGTAACAGACCAGATACTTCCGGGAGCTACTCCAAGTGCT GAGGGGAAGCGGAAAAGAAATAAGTCAGTGACCAACATGGAGAAAGCAAGTATAGAGCCTCCAGAGGAGG AAGAAGAAGAAAGGCCTGTAGTCAATGGAAACGGCGTGGTCATAACCCCAGAATCCAGTGAACATGAAGA CAAAAGTGCAGGTGCCTCAGGGGAGACACCCTCCCAGCCTTACCCTGCACCCGTGTACAGCCAGCCCGAA GAGCTCAAGGACCAGATGGACGATACAAAGCCAACAAAGCCTGAGGAGAACGAGGACTCTGATCCATTGC CTGATAACTGGGAAATGGCCTACACAGAGAAGGGGGAAGTCTACTTCATTGACCATAACACAAAGACAAC ATCATGGCTGGATCCGCGACTTGCGAAAAAGGCTAAACCTCCAGAAGAGTGCAAAGAAAATGAGCTTCCA TATGGCTGGGAAAAAATCGATGATCCTATATATGGCACTTACTATGTTGACCACATAAATAGAAGAACAC AGTTTGAAAACCCTGTCCTGGAAGCAAAAAGGAAGCTACAGCAACATAACATGCCCCACACAGAACTTGG AGCAAAGCCCCTGCAGGCCCCAGGTTTCCGAGAAAAGCCACTCTTCACCCGGGATGCATCCCAGTTGAAG GGAACGTTCCTCAGCACCACCCTCAAAAAGAGCAACATGGGCTTTGGGTTTACCATCATTGGTGGAGACG AGCCGGATGAGTTTCTACAGGTGAAAAGTGTGATCCCGGATGGGCCTGCCGCACAGGATGGGAAAATGGA GACAGGTGATGTCATTGTCTATATTAATGAAGTTTGTGTCCTTGGACACACTCATGCAGATGTTGTCAAA CTTTTCCAGTCTGTTCCTATTGGTCAGAGTGTCAACTTGGTGTTGTGTCGTGGCTACCCTTTGCCCTTTG

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ACCCTGAAGATCCTGCTAACAGCATGGTGCCACCCCTTGCAATAATGGAGAGGCCACCTCCGGTGATGGT
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ATTGGCAGAGGATGGGCCAGCCATAAGGAACGGCAGGATGAGGGTAGGAGATCAGATCATTGAAATAAAT
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GGCTGCTGCTGAAGAGAGGCACGGGGCAGGTCCCGGAGTATGGAATGGTACCTTCCAGCCTCTCCATGTG
CATGAAAAGTGACAAGCATGGGTCCCCATATTTCTACTTACTGGGCCACCCTAAAGACACGACGAACCCC
ACGCCTGGAGTGCTGCCGCTGCCGCCGCCCCAGGCCTGCCGGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001170746

Insert Size: 3828 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001170746.1, NP_001164217.1
RefSeq Size:	6736 bp
RefSeq ORF:	3828 bp
Locus ID:	50791
UniProt ID:	Q9WVQ1
Cytogenetics:	5 A3
Gene 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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.