

Product datasheet for MC223656

Magi3 (NM_133853) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magi3 (NM_133853) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Magi3
Synonyms:	4732496O19Rik; 6530407C02Rik; AA407180; AI120132; mKIAA1634
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223656 representing NM_133853 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCAAGACGTTGAAGAAGAAGAAGCACTGGCTCAGCAAGGTGCAGGAGTGTGCGGTATCCTGGGCCG
GGCCCCGGGCGACTTGGGCGCCGAGATCCGCGCGCGCCGAGCGCGGCGAGTTCCCTTACCTGGGGCC
GCTCCGCGACGAGGCTGGCGGCGCGGAGGCACCTGCTGCGTGGTCTCGGGCAAGCGCCAGTCCGGGC
GATGTGCTGTTGGAGGTGAACGGGACGCCGGTCACTGGGCTCACCAACCGGGACACTCTGGCTGTATCC
GCCACTCCGCGAGCCCATCCGCTCTGAAGACGGTGAAGCCAGGCAAAGTTATAAATAAAGATTTGGGACA
CTACCTGAGTCTTCAGTTTCAGAAAGGATCAATTGACCACAACTACAGCAAGTCATCAGAGATAATCTC
TATTTGAGAACCATCCCATGCACTACAAGGGCTCCCAGGGATGGGGAAGTCCCAGGGGTGGATTATAACT
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CCCCGTGCATCAATGGACAATCTTTAACAAAGGGAGAGACATGCATGAATACTCAGGATTTAACTGGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_133853
- Insert Size:** 3381 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_133853.3](#), [NP_598614.1](#)

RefSeq Size: 6672 bp

RefSeq ORF: 3381 bp

Locus ID: 99470

UniProt ID: [Q9EQJ9](#)

Cytogenetics: 3 45.52 cM

Gene 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]
Transcript Variant: this variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded protein (isoform 2) is shorter and has a distinct C-terminus, compared to 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.