

Product datasheet for **RR213790**

Magi3 (NM_139084) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magi3 (NM_139084) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Magi3
Synonyms:	Slipr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213790 representing NM_139084 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAGACGTTGAAGAAGAAGAAGCATTGGCTCAGCAAGGTGCAGGAGTGTGCGGTGTCTGGGCCG
GGCCCCGGGCGACTTGGGCGCTGAGATCCGCGCGCGCGGAGCGCGGAGTTCCCTTACCTGGGCGG
GCTCCGTGACGAGCCTGGCGGCGGCGGAGGCACCTGCTGCGTGGTCTCGGCAAGCGCCAGTCTGGC
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GCCACTCCGCGAGCCAATCCGTCTGAAGACCGTGAAGCCAGGCAAAGTCATAAAATAAGATTTGGGACA
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CCCCTGTTATCAATGGACAATCATTAGCAAAGGGAGAGGCGTGCATGAGTACTCAGGATTTAACTGGG
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ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR213790 representing NM_139084
 Red=Cloning site Green=Tags(s)

MSKTLKKKKHWL SKVQECASWAGPPGDLGAEIRGGAERGEFPYLGRLRDEPGGGGGTCCVVSGKAPSPG
 DVLLEVNGTPVSGLTNRDTLAVIRHFREPIRLKTVKPGKVINKDLRHYLSLQFQKGSIDHKLQQVIRDNL
 YLITIPCTTRAPRDGEVPGVDYNFISVEQFKALEESGALLESGTYDGNFYGTPKPPAEPSPFQDPVDQV
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 IEDPQYGTYYVDHLNQTKQFENPVVEAKRKKQIGQAETHSAKTDVERAHFTRDPSQLKGVLRASLKKST
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 DSNEQRASLASSGSSQPELVTIPLVKGPKGFGFAIADSPTGQVKMILDSQWCQGLKQGDIIKEIYHQNV
 QNLTHLQVVEVLKQFPVGADVPLLILRGGPCSPKTAKMKTDTKETSGSLETINEPTQPMPFPSSIIRS
 GSPKLPDSEVYLKSKTL YEDKPPNTKDL DVFLRKQESGFGRVLRGGDPDQSIYIGAI IPLGAAEKDGR
 RAADELMCIDGIPVKGKSHKQVLDLMTT AARNGHVLLTVRRKIFYGEKQPEDESPQAFSQSGSPRLNRTE
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 LAEDGPAIKDGRIVHGDQIVEINGEPTQGITHTRAIELIQAGGNKVL LLLRPGTGLIPDHGDWDIYSPSS
 SNVIYDEQPPPLPSSHAATFEESHVPVTEDSLIRVQTCEKAEELKDTVQEKKSTLNGSQPEMKYQSVQK
 NVSKKDP SRSHGHGDKNLPKGENGVTRRGRSASP KKS VNRHSEEHLKIPRPLRSDPKGKSRDRSLSPRK
 GENKGGVTIKAGSGQDPCRKDRGRSSSPRKQKIGGNSL SNT E GKLSEAGSRRAAGLSSDSPEQLPEGKE
 KSGVSRKDLKLSQLGKNRTRSPEKRSSKVD EASLPSKKTSDTASRVVSEKEKGRKPGTGERSRDKTGESV
 QTSAPKPLTQEAGEKMALSKASEVTD R GKERAGGAP E SSSPVKKAPITPGPWRVPRANKVTGTAGMADKQL

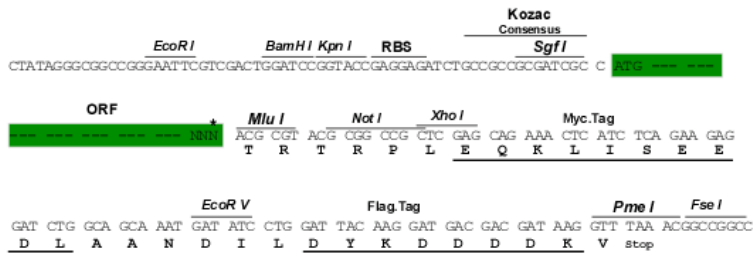
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

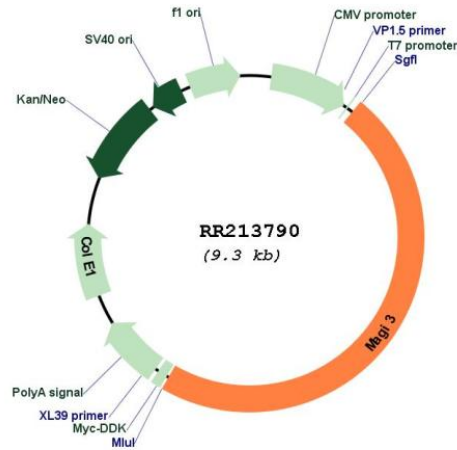
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_139084

ORF Size: 4410 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_139084.2](#), [NP_620784.2](#)

RefSeq Size: 5863 bp

RefSeq ORF: 4413 bp

Locus ID: 245903

UniProt ID: [Q9JK71](#)

Cytogenetics: 2q34

MW: 160.5 kDa

Gene Summary: associates with tyrosine-phosphorylated proteins to link the receptor with its substrate in the plasma membrane [RGD, Feb 2006]