

Product datasheet for RR211574

Mfng (NM_199110) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfng (NM_199110) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mfng
Synonyms:	MGC72576
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211574 representing NM_199110 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGTCCGGGCTTTTCGGGGCTGGCGGGAGCCCTTTACCTCCTGTGCGTGGGGCTCTATCTC
TACGATACCACTCAAGCTTGCCCTGAGGACGATGCAGGGCAGCTCAGGCTGAACCAACCGAACCCAGG
GCACCTGGAGCTGCAGCTGGGGGACATCTTCATCGGAGTCAAGACTACCTGGGCCTTCCACCGCTCCCGC
CTGGACCTGCTGCTTGACACATGGGTCTCCAGAACCAGGCAACAGACATTCATCTTCACTGACAGCCAG
ATGAACTCCTCCAGGAGAGATTAGGCTCGCACCTCGTGGTCAACCACTGTTCTGCAGAGCACAGTATCC
TGCTCTGTCTGCAAGATGGCTGCAGAATTTGATGCCTTCTTGGTCAAGTGGCCTCAGGTGGTTCTGCCAT
GTGGATGATGACAACATGTGAACCCCAAGGCTCTGCTACAGCTGCTGAGAACATTTCCCGCAGGACCATG
ATGTCTATGTGGCAAGCCAGCCTGAACCGGCCATACACGCCCTCTGAGCTGCAATCAAAAAACCGCAC
GAGGCTGGTGGGTTCTGGTTTGCACAGGGGGTGGTGGCTTTTGTATCAACCGCAACTGGCTTTGAAG
ATGGTGCCGTGGCCAGCGGTTCCCACTTTGTGGACACTTCAGCTCTCATCCGGCTCCCCGATGACTGCA
CTGTGGGCTACATCATCGAGTGAAGCTGGGGGGCCGCTGCAGCCAGCCCCCTTTTCCACTCACACCT
GGAAACCTTGACGCTGCTGGGCACTGCCAGCTTCTGGAGCAGGTACCCTCAGCTATGGTGTCTTTGAA
GGGAAACTGAACATCATCAAGCTACCGGGCCCTTCTCCATGAGGAGGACCCCTTCCAGATTTTCTGCC
TCCACTGTCTCTCTACCGGACACACCCTGGTGTCCACTGCTGGCAGTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211574 representing NM_199110
Red=Cloning site Green=Tags(s)

MHCRVFRGLAGALFTLLCVGLLSLRYHSSLRLRTMQGTLRLNQPNPGHLELQLGDIFIGVKTTWAFHRSR
 LDLLLDTWVSRTRQQTFFITDSDPELLQERLGSHLVVTNCSAEHSHPALSCKMAAEFDAFLVSGLRWFCH
 VDDDNVYNPKALLQLLRTFPQDHDVYVVGKPSLNRP IHASELQSKNRTL VRFWFATGGAGFCINRQLALK
 MVPWASGSHFVDTALIRLPDDCTVGYIIECKLGGRLQPSPLFHSHLETLQLLGT AQLLEQVTL SYGVFE
 GKLNIIKLP GPF SHEEDPSRFRSLHCLLYPDTPWCPLLAVP

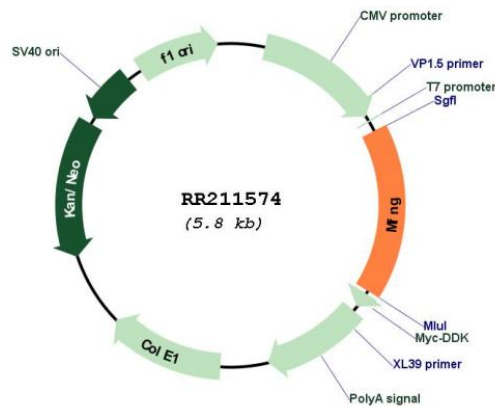
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_199110

ORF Size: 963 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:	<ol style="list-style-type: none">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_199110.1 , NP_954541.1
RefSeq Size:	1830 bp
RefSeq ORF:	966 bp
Locus ID:	315119
Cytogenetics:	7q34
MW:	36.2 kDa
Gene Summary:	mouse homolog is involved in modulating the activation of the Notch signal transduction pathway [RGD, Feb 2006]