

Product datasheet for **RR201490**

Mrnip (NM_001109030) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mrnip (NM_001109030) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Mrnip
 Synonyms: RGD1564036
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR201490 representing NM_001109030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCGGCTCAGCAGTCTCGGGTTCTACGGTGTGCAGCTGCCACATCTTTCAGGCACATCAGGTGA
 AGAAGAGTCTCAAGTGGACATGCAAGGCTTGTGGAGAGAAGCAGTCTTTCGTGCGGGCTTATGGCGAAGG
 CTCTGGTGTGACTGTAGACGCCATGTCCAAAAGCTAAATCTGCTTCAAGGACAAGCGTCAAGGCTGTCA
 CTCAGGTCTGTGGAGGAAGCTGTAATGCCAGTGAAGAGGAAAAATGCAGGCCCTCAGCAGGCTAAGGATG
 GAAGTCAGCAGGCATTGTCTGAGCCCCTCGAGTCCCGTTGGCTGAAGTATCTGGACCAGGACTGTGAGGG
 CCAGGAGCTGGACAGAGGAAGACCAGCTCTTAAGACACAGCTCTCAGCCAGTGCTAAGTGGCCAAATCTG
 CCCTGCAGTCCAGCCGACCCAGGAAGAGGAAATGGGATCAGAGCACAGGGCAGCCTGCACACAGCCCGC
 GTGTCCAGGGTGTGGACAGTGGTGAAGCAACTTTCAACACCAGGACTCCACTGGCCTGTCTGGGACAGA
 GCAGCAAGGCATTAGCCCTGCCCTCAGTACCACAAACCACATCAGGGAGCTCGGTTTTCTAGGTGGAAA
 CTACCAAGTCTGTACGCAAGTTAATGCCCATCTTCTAAATGGGCACGGTTTTCTCTATCGCCTGAGA
 ACAGTCCACAAGTGGATGGGAAACCAACAAAGTCTTTGCAGGAGGACCAGGCGATCTGGCCTAGCACA
 AATTGAGCAAGGGACTCTTGAGACCAAGACTCCAGGAGAAGGCCACTTCATCAGAGACCCTGCCACCATC
 CGGCCGCCTTAACCACTTCACTACTCCACAGCCAGACAAGCCTGACAGGAAGACCCAGAGCAGC
 CATGGGCCACGGGACTCCTCAAGCAGATGGTGGCTTTTGGCTCAAGGGACACAGAAGGCTCCATCCAT
 GCAACTGCACAACCTCTTTACAACCGGAGAGGACTTTGAGGATGACCTG

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201490 representing NM_001109030
 Red=Cloning site Green=Tags(s)

MAPAQQSRVLRCCSCHIFQAHQVKKSLKWTCKACGEKQSFVRAYGEGSGADCRRHVQKLNLLQGQASELS
 LRSVEEAVNASEEENAGPQQAQKDGSSQALSEPLESRWLKYLDDQCEGQELDRGRPALKTQLSASAKWPNL
 PCSPARPRKRKWDQSTGQPAHSRVRVQGVDSGEDNFQHQDSTGLSGTEQQGISPALSTTNHIRELGFPRWK
 LPSPVTQVNAPSSKWARFLLSPENSPQVDGKPTSPLQEGTRRSGLAQIEQGTLETKTPGEGHFIRDPATI
 RPPLTIHTTTPQDPKDRKTPEQPWATGTPQADGGLLAQGTQKAPSMQLHNLFTTGEDFEDDL

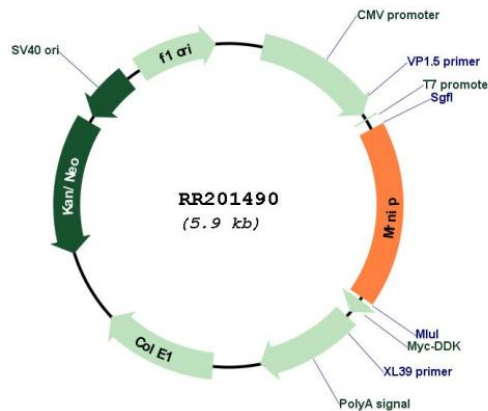
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109030

ORF Size: 1029 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_001109030.2 , NP_001102500.2
RefSeq Size:	1173 bp
RefSeq ORF:	1032 bp
Locus ID:	497895
Cytogenetics:	10q22
MW:	37.7 kDa