

Product datasheet for **MC207656**

Mrnip (NM_026543) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrnip (NM_026543) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrnip
Synonyms: 2900016G09Rik; 3010026O09Rik; AI851514; AW475975
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207656 representing NM_026543
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCCGGCTCAGCAGTCTCGGGTTCTACGGTGTGCAGCTGCCACATCTTTCAGGCGCATCAGGTGA
AGAAGAGTCTCAAATGGACATGCAAGGCTTGTGGAGAGAAGCAGTCATTTGTTCCGGCTTACGGTGAAGG
CTCTGGTGTGACTGCAGACGCCATGTCCAAAAGCTAAATCTGCTGCAAGGACAAGTGTGAGAGCTGTCA
CTCAGGTCTGTGGAGGAAGCTGTAATGGCAGTGAAGAAGAAAATGCAGGCCCTCTGCAGGCCGAGGCTG
GGAGTCAGCAGGCACCGTCTAAGCCCTCGAGTCCCGTTGGTTGAAGTATCTGGACAAGGGCTGCGAGGA
CCAGGAGCTGGACAGAGGGAGACCAGCTCTTAAGACACAGCTTTCAACCAGTGTGAGCGGCCAAGCAGT
CCAGCCCAACCCAGGAAGAGGAAATGGAATCAGCGCACAGGGCAGCCTGCACACAGCCTGCATGGCCAGG
GTGTGGACAGTGTGAAGACAACCTTGAACACCAGGACTCCACTGGCCTGTTTGGAACAGAGCAGCAAGG
CACCAGCCCTGCCCTCAGTACTGCGAACCACACCAGAGAGCTCGGTTTTCTAGGTGAAACTACCAAGT
CCTGTTACACAAGTTAATGCCCCATCTTCTAAATGGGCACGGTTTCTCCTGGCACCTGGAATAGTCCTC
AAGTGGATGAGAAACCAAGTCTCTGCAGGAGCCACCATGCTAGCTGACCTGGCACAAGGGACTGTTGA
GAACAAGACTCCAGTGGAAAGCCACTTTCAGCAGAGCCCTGCCATTAGGCCTCCTCAAGCCATTACACT
ACCACCCCAACTGGACAGACCTGACAGGAAGACCCGAGAGCAGCCAAGGGACATGGGGACTCCTCGAG
CAGATGGTAGGCCTTTGGCTCAAGGGACCCAGAAGGCTCCACCCTTGCAACTGCACAACCTTTTACAAC
CGGAGAGGACTTTGATGATGACCTGT**AG**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026543



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Insert Size:	1008 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:	<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_026543.3 , NP_080819.2
RefSeq Size:	1168 bp
RefSeq ORF:	1008 bp
Locus ID:	68067
UniProt ID:	Q9D1F5
Cytogenetics:	11 B1.3
Gene Summary:	Plays a role in the cellular response to DNA damage and the maintenance of genome stability through its association with the MRN damage-sensing complex. Promotes chromatin loading and activity of the MRN complex to facilitate subsequent ATM-mediated DNA damage response signaling and DNA repair.[UniProtKB/Swiss-Prot Function]