

Product datasheet for **RN204550**

Mis18a (NM_001127523) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mis18a (NM_001127523) Rat Untagged Clone
Tag: Tag Free
Symbol: Mis18a
Synonyms: RGD1310778
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN204550 representing NM_001127523
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGTACATTTTCTCTGGAACCCTGCTCTACCTCTAGTTCGTGTAACCACCAGGGCAAGCGGAGCG
 AGTCTTCGCTGCTGGAGAAGCGGCTGTCGGAAGATTCGAGCCGCCATTGGCGGCTGCAGAAGTGGGCGAG
 CATGTCGAGCGCAGACGCGTCGAGGACACTGCTGGAGAGGCGTGAGGAGAAGGCTGCCGCGCGGAGAAC
 CCGCTGGTGTTCCTGTGTACGCGCTGTCGCCGGCCGCTGGCGACTCGCTCACCTGGGTGGCTAGCCAGG
 AGGACACCAACTGCATCCTGTTGCGCAGTGTCTCTCTAACGTCTCTGTGGATAAGGAACAGAACTGTC
 CAAGTGCAGAGATGAAGATGGTTGCATCCTTGAGACGTTGTACTGTTCAAGGCTGCTCCCTCAGCCTTGGC
 TATGTGTACAGATGCACTCCCAAGAACCTGGATTACAAGAGGAACTTGTCTGCCTCAGCGTTGAAGCCG
 TTGAAAGTTATACCTTAGGGTCTCTGAACAGCAAATCGTGTCAGAAGAGGAATTTTCAATCTTGAAAG
 CAGAGTTGAAATAGAGAAGTCTATAAAGCAGATGGAGGACGTCCTGACAGTCATGCAAGCGAAGCTGTGG
 GAGGTGGAATCAAACCTGCAAGGCTGGCCGGTACAG**CTGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII
ACCN: NM_001127523
Insert Size: 672 bp



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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:	<u>NM_001127523.2</u> , <u>NP_001120995.2</u>
RefSeq Size:	1099 bp
RefSeq ORF:	672 bp
Locus ID:	288272
UniProt ID:	<u>B2RZC4</u>
Cytogenetics:	11q11
Gene Summary:	Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.[UniProtKB/Swiss-Prot Function]