

Product datasheet for **RN210091**

Ran (NM_053439) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ran (NM_053439) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ran
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210091 representing NM_053439 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCGCCAGGGAGAGCCGCAGTTCAGTTCAGCTCGTCCTGGTGGGCGACGGCGCCACCGGAAGA
CGACGTTTCGTGAAGCGCCACTTGACGGGCGAGTTTGAGAAGAAGTATGTAGCCACCCTGGGCGTGGAGGT
GCACCCGCTCGTCTTCCATACCAACAGAGGCCATCAAGTTCACGTGTGGACACAGCCGCCAGGAG
AAGTTCGGGGCCTGCGCGATGGCTACTACATCCAAGCCAGTGTGCCATTATAATGTTTGACGTAACAT
CAAGAGTACTTACAAGAACGTACCTAACTGGCATAGAGATCTGGTACGCGTGTGTGAAAACATCCCAT
TGTATTGTGTGGCAACAAAGTGGATATTAAGACAGGAAAGTGAAGGCAAAATCTATTGTCTTTCACCGA
AAGAAGAATCTTCAGTACTATGACATTTCTGCCAAAAGTAACTACAACCTTGAAGGCACTTCTCTGGC
TTGCCAGAAAGCTCATTGGAGATCCTAACTGGAGTTCGTTGCCATGCCTGCTTGGCCACCTGAGGT
GGTCATGGACCCAGCTTTGGCAGCACAGTACGAGCATGATTTAGAGGTTGCTCAGACGACTGCGCTCCC
GATGAGGATGACGACCT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_053439
Insert Size:	651 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).



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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_053439.1</u> , <u>NP_445891.1</u>
RefSeq Size:	1084 bp
RefSeq ORF:	651 bp
Locus ID:	84509
UniProt ID:	<u>P62828</u>
Cytogenetics:	12q13
Gene Summary:	plays a role in nucleocytoplasmic protein transport; regulates microtubule assembly; may play a role in microtubule nucleation during spermiogenesis [RGD, Feb 2006]