

Product datasheet for **RN202491**

Mrpl16 (NM_001009647) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrpl16 (NM_001009647) Rat Untagged Clone
Tag: Tag Free
Symbol: Mrpl16
Synonyms: MGC109535
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202491 representing NM_001009647
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGAGGCTACTGACGCGCGCCCGCGCCGCTCTGGCGGATGCACTTTTCAGATACTGGGCAGCCC
TTCCCACCACTGCTGGTCTGAAGACGCTCCTCCAGTTCCAACCTTTGAAAATGTCTCCATCCCTGAAAG
ATCCAAACTTAAATTTGTTGAAAGAGTCCCACTTGTGCCAAAAGTAAGGAGAGAACCTAAAAATCTGAAG
GACATACGAGGGCCTCAGCTGAAGCCACTGACTTCACAGAAGGCAATTTGCAATTTTGGCACTTGGAG
GTGTTTATCTTCACTGGGGCCATTTTGAATGATGCGCTTGACAATCAATCGATTTATGGATCCCAAGAA
CATGTTTGCCATATGGCGAGTGCCAGCCCTTTCAAGCCCATCACTCGAAAAGGTGTTGGGCAGCGCATG
GGGGGAGGTAAAGGTGCCATTGATCACTATGTGACACCTGTGAAGACTGGATGCCTCATAGTAGAGATGG
GTGGACGCTGTGAATTTGAAGAGGTAAGCGTGTCTGAACCAGGTTGCCACAAGTTGCCCTTTCCAGC
AAAGGCCGTGAGCCGTAAGACTCTAGAAAAGATGCACCAAAATCAAAAAGAAAGAGAAGCTTAATAACCAG
AATCCCTGGACCTTTGAGCGCATAGCCACTGCGAACATGTTTGGCATACGGAAATTCCTGAGCCCATATG
ACCTGACTCAGAAAGGGCGATATTGGGGCAAATCTACATGCCCAAGCGCGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009647
Insert Size: 756 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:	<u>NM_001009647.1</u> , <u>NP_001009647.1</u>
RefSeq Size:	1175 bp
RefSeq ORF:	756 bp
Locus ID:	293754
UniProt ID:	<u>Q5M818</u>
Cytogenetics:	1q43
Gene Summary:	component of 39s subunit of mitochondrial ribosome protein; involved in mitochondrial protein synthesis [RGD, Feb 2006]