

Product datasheet for **RN215896**

Mrpl14 (NM_001271131) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl14 (NM_001271131) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mrpl14
Synonyms:	L14mt; L32mt; MRP-L14; MRP-L32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215896 representing NM_001271131 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCCGTCCTTACTGGGCTCTTTGGCTTCTTGCCTATGTGAGAGGAGCCGTGAGCCAGCGCTGCTTCA
 GCACCTCTGGGAGCCTCAGCGCAATCCAGAAGATGACTCGGGTCCGAGTAGTGGACAACAGTGCCCTGGG
 CAACACCCCTACCACCGACCCCGATGCATCCACGTCTATAACAAGAGCGGGGTGGGCAAGGTGGGT
 GACCAGATCCTGCTGGCCATCAGGGGGCAGAAGAAGAAAGCACTCATCGTGGGCCACCGCATGCCTGGCT
 CCCGAATGACTCAAAGTTTGACTCCAACAACGTGGTCTCATCGAGGACAATGGCAACCCTGTGGGGAC
 TCGAATTAAGATACCTATCCCCACGACCTCCGCCGAGGGAAGGAGAGTATTCCAAGGTGCTGGCCATC
 GCTCAGAACTTTGTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001271131
Insert Size:	438 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).


[View online »](#)

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	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_001271131.1, NP_001258060.1</u>
RefSeq Size:	768 bp
RefSeq ORF:	438 bp
Locus ID:	301250
UniProt ID:	<u>Q7M0E7</u>
Cytogenetics:	9q12
Gene Summary:	May form part of 2 intersubunit bridges in the assembled ribosome. Upon binding to MALSU1, intersubunit bridge formation is blocked, preventing ribosome formation and repressing translation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.