

Product datasheet for **SC115152**

MRPL18 (NM_014161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRPL18 (NM_014161) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRPL18
Synonyms:	HSPC071; L18mt; MRP-L18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014161 edited ATGGCGCTTCGGTCGCAGTTTTGGGGTTCTCGGTTTGCAGGAACCTGGGTGCAGGTTTCAGAGCCCTGTCAACCAGCTCCGAGCCGGCAGCGAAACCTGAAGTGGACCCTGTGGAAAATGAAGCTGTCGCCCCAGAATTCACCAACCGAACCCTCGGAACCTGGAGCTTTTATCTGTAGCCAGGAAAGAGCGGGCTGGCGGACGGTGTTCCTCCCGTGAGTTCTGGCACAGGTTGCGAGTTATAAGGACTCAGCATCATGTAGAAGCACTTGTGGAGCATCAGAAATGGCAAGGTTGTGGTTTCGGCTCCACTCGTGAGTGGGCTATTAAGAACCTTTATAGTACCAGAAATGTGGTGGCTTGTGAGAGTATAGGACGAGTGCTGGCACAGAGATGCTTAGAGGCGGGAATCACTTCATGGTCTACCAACCAACCCGTGGGAGGCAGCCTCAGACTCGATGAAACGACTACAAAGTGCCATGACAGAAGGTGGTGTGGTCTACGGGAACCTCAGAGAATCTATGAATAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014161 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGTGGCGAGCGACTGAG
 TCGTCCGTGAGGAAAAAGAGGCGAGGCTTTTCCGAGATCGTCTCAGCGATGGCGCTTCGG
 TCGCAGTTTTGGGGTCTCGGTTTGCAGGAACCTGGGTGCAGGTTTCGAGCCCTGTCA
 ACCAGCTCCGAGCCGGCAGCGAAACCTGAAGTGGACCTGTGGAAATGAAGCTGTGCC
 CCAGAATTCACCAACCGGAACCCCGGAACCTGGAGCTTTATCTGTAGCCAGGAAAGAG
 CGGGCTGGCGGACGGTGTTCCTCCCGTGAGTTCTGGCACAGGTTGCGAGTTATAAGG
 ACTCAGCATCATGTAGAAGCACTTGTGGAGCATCAGAATGGCAAGGTTGTGGTTTCGGCC
 TCCACTCGTGAGTGGGCTATTAAAAAGCACCTTTATAGTACCAGAAATGTGGTGGCTTGT
 GAGAGTATAGGACGAGTGCTGGCACAGAGATGCTTAGAGCGGGAATCAACTTCATGGTC
 TACCAACCAACCCGTGGGAGGCAGCCTCAGACTCGATGAAACGACTACAAAGTGCATG
 ACAGAAGTGTTGGTGGTCTACGGGAACCTCAGAGAATCTATGAATAATGGAAGCATT
 AATTGTTNTGAACATGTAATATAAATCTGTACGCCACTACAGCCATCAAAGAGAGCAT
 CTGGAAGAACAGCCAGCTTTGAAAGTTTACAGCAATAATGGTTGCAGTGAATATTATN
 TGTAGNTAAGGTATCCTCCTNCCCTTTTCTGTTTTTAAATCAAGACTACATTCTGNNC
 CCTCTCTGGGCTTCAGAGCATCTAGAANAGCAGNCATCAATATAATTAACCTTCAAGGGG
 CAGTCANAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014161 unedited
 TACTATGNACGGCGCCGATCTATGATCGGTTTTTTTTTTTTTTTTTTTTTTTAAAAAGTTCA
 TAATATGCCTTTATTTTGAATTTATAAACAACCTCTGACTTGCCCTTTGAAAGTTAATT
 ATAATTGATGACTGCTTTTCTTAAATGCTTCTGAAGCCAAGAGAGGGGAGAGATGATG
 TCTTGATTTAAAAAACAGAAAGGGGAGGAGGATGACCTTAACACAAATATATTCCAC
 TGCAACATTATTGCTGTAAACTTCCAAGCTGGCTGTTCTTCAAATGCTCTCTTTTGT
 GGCTGTAGTGGCTGACAGATTTATATTTACATGTTCAAAACAATTAATGCTTCCATTTAT
 TCATAGATTCTCTGAGGTTCCCGTAGAACACACACCTTCTGTGATGGCACTTTGTAGT
 CGTTTCATCGAGTCTGAGGCTGCCTCCACGGGGTTGGTTGGTAGACCATGAAGTTGATT
 CCCGCCTCTAAGCATCTCTGTGCCAGCACTCGTCTATACTCTCACAAGCCACCACATTT
 CTGGTACTATAAAGGTGCTTTTTAATAGCCCACTCAGAGTGGAGGCCGAAACCACAACC
 TTGCCATTCTGATGCTCCACAAGTCTTCTACATGATGCTGAGTCCTTATAACTCGCAAC
 CTGTGCCAGAACTCACGGGAGGGAAACACCGTCCGCCAGCCCGCTCTTCTGGCTACA
 GATAAAAGCTCCAGGTTCCGGAGGTTCCGGTTGGTGAATTCTGGGGCGACAGCTTCATTT
 TCCACAGGTTCCACTTNCAGTTTCGCTGCCAGCTCGNAGCTGGTTGACAGGGCTGCGAAC
 CTGCACCCAAGGTTCTTGCAACCGAAATCCCCAACTGCGACCGAACGCATCGCTGAGA
 GATCTCGGAAAGCTCGCTCTTCTCAGACATCTATCGCTCGCACTCGTGCATTCCGG
 CCGCCTTATGT

Restriction Sites:

NotI-NotI

ACCN:

NM_014161

Insert Size:

970 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:

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_014161.2](#), [NP_054880.2](#)

RefSeq Size: 989 bp

RefSeq ORF: 543 bp

Locus ID: 29074

UniProt ID: [Q9H0U6](#)

Cytogenetics: 6q25.3

Gene Summary: This nuclear gene encodes a protein component of the larger 39S subunit of mitochondrial ribosome. This protein may also aid in the import of nuclear-encoded 5S rRNA into mitochondria. Alternative splicing results in multiple transcript variants, most of which are not predicted to encode a protein. A pseudogene of this gene is found on chromosome 16. [provided by RefSeq, Jan 2016]
Transcript Variant: This variant (1) encodes the longer isoform (1).