

Product datasheet for **SC111250**

MRPL15 (NM_014175) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRPL15 (NM_014175) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRPL15
Synonyms:	HSPC145; L15mt; MRP-L7; MRP-L15; RPML7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014175, the custom clone sequence may differ by one or more nucleotides

ATGGCCGGTCCCTTGCAGGGCGGTGGGGCCCGGGCCCTGGACCTACTCCGGGGCCTGCCGCGTGTGAGCC
TGGCCAACTTAAAGCCGAATCCCGGCTCCAAGAAACCGGAGAGAAGACCAAGAGGTGGGAGAAGAGGTAG
AAAATGTGGCAGAGGCCATAAAGGAGAAAGGCAAGAGGAACCCGGCCCCGCTTGGGCTTTGAGGGAGGC
CAGACTCCATTTTACATCCGAATCCCAAATACGGGTTTAAACGAAGGACATAGTTTCAGACGCCAGTATA
AGCCTTTGAGTCTCAATAGACTGCAGTATCTTATTGATTTGGGTCGTGTTGATCCTAGTCAACCTATTGA
CTTAACCCAGCTTGTCAATGGGAGAGGTGTGACCATCCAGCCACTTAAAGGGATTATGGTGTCCAGCTG
GTTGAGGAGGGTGTGACACCTTACGGCAAAAGTTAATATTGAAGTACAGTTGGCTTCAGAACTAGCTA
TTGCTGCCATTGAAAAAATGGTGGTGTGTTACTACAGCCTTCTATGATCCAAGAAGTCTGGACATTGT
ATGCAAACTGTTCCATTCTTTCTCGTGGACAACCCATTCCAAAAAGAATGCTTCCACCAGAAGAAGTGT
GTACCATATTACACTGATGCAAGAACCGTGGGTACCTGGCGGATCCTGCCAAATTTCTGAAGCAGCAG
TTGAACTCGCCAGGAAGTATGGTTATATCTTACCTGATATCACTAAAGATGAAGTCTTCAAAATGCTCTG
TACTAGGAAGGATCCAAGGCAGATTTCTTTGGTCTTGTCTCCAGGATGGGTGGTGAATATGGCCGATAAG
AAAATCCTAAACCTACAGATGAAATCTCCTTAAGTATTATACCTCATGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014175 unedited <pre> TGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCCTCGTGCCGAATTG GCACGAGGCCGGTCCCTTGACAGGCGGTGGGGCCGGGCCCTGGACCTACTCCGGGGCCT GCCGCGTGTGAGCCTGGCCAACCTAAAGCCGAATCCCGGCTCCAAGAAACCGGAGAGAAG ACCAAGAGGTTCGAGAAGAGGTAGAAAATGTGGCAGAGGCCATAAAGGAGAAAGGCAAAG AGGAACCCGGCCCGCTTGGGCTTTGAGGGAGGCCAGACTCCATTTTACATCCGAATCCC AAAATACGGGTTTAACGAAGGACATAGTTTCAGACGCCAGTATAAGCCTTTGAGTCTCAA TAGACTGCAGTATCTTATTGATTGGGTCTGTGATCCTAGTCAACCTATTGACTTAAC CCAGCTTGTCAATGGGAGAGGTGTGACCATCCAGCCACTTAAAGGGATTATGGTGTCCA GCTGGTTGAGGAGGGTGTGACACCTTTACGGCAAAAGTTAATATTGAAGTACAGTTGGC TTCAGAACTAGCTATTGCTGCCATTGAAAAAATGGTGGTGTGTTACTACAGCCTTCTA TGATCCAAGAAGTCTGGACATTGTATGCAAACCTGTTCCATTCTTCTTCGTGGACAACC CATTCCAAAAAGATGCTTCCACCAGAAGAACTGGTACCATTACACTGATGCAAAGAA CCGTGGGTACCTGGCGGATCCTGCCATATTTCTTGAGCAGCACTTGAACCCCCAGAA GTATGGTTATATCTTACCTGATATCACTAAAGATGAACCTTCAAATGCTCTGGACTAN GAAGGATCCAAGCAGATTTTTTTTGGTCTTGCTCCAGGAGGGGTGGGGAATATGGCCGT AGAATATCTACACCTACGGAGTACATTA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014175
Insert Size:	3120 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_014175.2 , NP_054894.1
RefSeq Size:	1155 bp
RefSeq ORF:	891 bp
Locus ID:	29088
UniProt ID:	Q9P015
Cytogenetics:	8q11.23
Domains:	L15

Gene Summary:

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein that belongs to the EcoL15 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 15q. [provided by RefSeq, Jul 2008]