

Product datasheet for **SC110629**

MRPL24 (NM_024540) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRPL24 (NM_024540) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRPL24
Synonyms:	L24mt; MRP-L18; MRP-L24
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC110629 sequence for NM_024540 edited (data generated by NextGen Sequencing)

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ATGCGTCTTTCTGCCCTGCTGGCCTTGGCATCCAAGGTCCTCTGCCCCCATACCGC
TATGGGATGAGCCCCCAGGCTCTGTTGCAGACAAGAGGAAGAACCCCATGGATCAGG
CGGCGCCAGTGGTTGTGGAACCCATCTCTGATGAAGACTGGTATCTGTTCTGTGGGGAC
ACGGTGGAGATCCTAGAAGGCAAGGATGCCGGAAGCAGGGCAAAGTGGTTCAAGTTATC
CGGCAGCGAAACTGGGTGGTCGTGGGAGGGCTGAACACACATTACCGCTACATTGGCAAG
ACCATGGATTACCGGGAACCATGATCCCTAGTGAAGCCCCCTTGCTCCACCGCCAGGTC
AACTTGTGGATCCTATGGACAGGAAACCCACTGAGATCGAGTGGAGATTTACTGAAGCA
GGAGAGCGGGTACGAGTCTCCACACGATCAGGGAGAATTATCCCTAAACCCGAATTTCCC
AGAGCTGATGGCATCGTCCCTGAAACGTGGATTGATGGCCCCAAAGACACATCAGTGGAA
GATGCTTTAGAAAGAACCTATGTGCCCTGTCTAAAGACTGCAGGAGGAGGTGATGGAG
GCCATGGGGATCAAGGAGACCCGAAATACAAGAAGGTCTATTGGTATTGA
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Clone variation with respect to NM_024540.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024540 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGGGAGGGGACGCTGAGGGC CCATGTGCTGAAAATCCGAAGTGCCGCGGAAAGTGGAGGTGAGGGCCGCCCGCCCTAGAG GTGCCCCGTCGAGAGGCAGAGCTGACAAGGAAGTTTCGAGCGTTTTGCTGGCAAAGGGA TTTCTTACAACCTCCAGGCATGCGTCTTTCTGCCCTGCTGGCCTTGGCCTCCAAGTAC TCTGCCCCCATTACCGCTATGGGATGAGCCCCCAGGCTCTGTTGCAGACAAGAGGAA GAACCCCATGGATCAGGCGGCCAGTGGTGTGGAACCCATCTCTGATGAAGACTG GTATCTGTTCTGTGGGACACGGTGGAGATCCTANAAGCAAGGATGCCGGAAGCAGGG CAAAGTGGTTCAAGTTATCCGGCAGCGAACTGGGTGGTGGTGGACGTGAAACACACA TTACCGCTACATTGGCAAGACCATGGATTACCGGGGAACCATGATCCCTAGTGAAGCCC CCTTGCTCCCCGCCACGTCAAACCTTGGGGATACTATGCACCGTAAACCCACTGCGAAC GAATTGACATTTACGAACCCCGCCACCGGTTACCAATCCCCCACCATATTTTCATAATT GTCCCTAACCTCAACCTCCCCAACCTATTTTCTCCTCCTTACCATTATTTGTTTCCCA CTAATATATCCCGGGTCCCCCTTTTCCATTAACTTTTTCCCCTTTCCACCCCTATC TCTTTTTCTTTTATTCTCTATCTTTTTATGCCCCCTTCCCCCCCCACACCTTTCTTT GCCTTCTCTTCGACCTTTTTTTTCTCCTCCCCCCCCCTTCCCCCTTACTCTTTCTC CCCTTTTTTTTCCCCCTTCGCTTCCCTTTACACCCCCCCTTTCTTTTTATAATT TTTCTCG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024540 unedited AGCTATGGGACCGCGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGACTCATA AAGTGCTCTTTATTGGCATCTGAAAAGAGTGCCTCAGCCTTCAAGGCTGGGACAGAAGT TGGGGAGGAGCTGCTCTGCCCCAGGCTCAATACCAATAGACCTTCTTGATTTCCGGGTC TCCTTGATCCCCATGGCCTCCATCACCTCCTCCTGCAGTGTCTTAGACAGGGCACATAG GTTCTTTCTAAAGCATCTCCACTGATGTGTCTTTGGGGCATCAATCCACGTTTCAGGG ACGATGCCATCAGCTCTGGGAAATTCGGGTTTAGGGATAATTCTCCTGATCGTGTGGAG ACTCGTACCCGCTCCTGCTTCAAGTAAATCTCCACTCGATCTCAGTGGGTTTCCGTGCC ATAGGATCCACAAGTTTACCTGGCGGTGGAGCAAGGGGGCTTCACTAGGGATCATGGTT CCCCGGTAATCCATGGTCTTGCCAATGTAGCGTAATGTGTGTTGAGCCCTCCCACGACC ACCCAGTTTCGCTGCCGGATAACTTGAACCACTTGGCCCTGCTTCCCGGCATCCTTGCT TCTAGGATCTCCACCGTGTCCCCACAGAACAGATACCAGTCTTCCATCAGAGATGGGTTCC ACAACCACTGGGCGCCGCTGATCCATGGGGGGTCTTCTCTTGTCTGCACAGAGCCTG GGGGCTCATCCATAGCGTAATGGGGGGCAGATGACCTGGATGCCAGGCCNCAGGCANAAG ACGCATGCTGAGGTGTAGAATCCCTTGCAGCAAACGCTGAACCTTCTGTAGCTCTGCTTC GACGCACTTAGGGCGGCCCTTACTCACTTTTCGNACTTNGATTACCATGGCCTANG TNNCTCCTGTGCCGATCCGGCGCN
Restriction Sites:	NotI-NotI
ACCN:	NM_024540
Insert Size:	1000 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).
RefSeq:	NM_024540.2 , NP_078816.2
RefSeq Size:	917 bp
RefSeq ORF:	651 bp
Locus ID:	79590

UniProt ID: [Q96A35](#)

Domains: KOW, KOW

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 which is more than twice the size of its E.coli counterpart (EcoL24). Sequence analysis identified two transcript variants that encode the same protein. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. It encodes the same protein as variant 1.