

Product datasheet for **SC120710**

MRPL50 (NM_019051) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRPL50 (NM_019051) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRPL50
Synonyms:	MRP-L50
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_019051 edited ATGGCGGCGCGATCTGTGTCGGGCATTACCAGAAGAGTCTTCATGTGGACAGTCTCAGGG ACACCATGTAGAGAATTTTGGTCTCGATTACAGAAAAGAGAAAGAGCCAGTGGTTGTTGAG ACAGTAGAAGAGAAAAAGGAACCTATCCTAGTGTGTCCACCTTTACGAAGCCGAGCATAAC ACACCACCTGAAGATCTCCAGAGTCGTTTGAATCTTACGTTAAAGAAGTTTTTGGTTCA TCTCTTCTAGTAATTGGCAAGACATCTCCCTGGAAGATAGTCGTCTAAAGTTCAATCTT CTGGCTCATTTAGCTGATGACTTGGGTCATGTAGTCCCTAACTCCAGACTCCACCAGATG TGCAGGGTTAGAGATGTTCTTGATTTCTATAATGTCCCTATTCAAGATAGATCTAAATTT GATGAACCTCAGTGCCAGTAATCTGCCCCCAATTTGAAAATCACTTGGAGTTACTAA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_019051 unedited ATTTTGTAAATACGACTCACTATAGGGGCGCGCGAATTCGCACGAGCGAAGAGGCGGCG CGATCTGTGTCGGGCATTACCAGAAGAGTCTTCATGTGGACAGTCTCAGGGACACCATGT AGAGAATTTTGGTCTCGATTACAGAAAAGAGAAAGAGCCAGTGGTTGTTGAGACAGTAGAA GAGAAAAAGGAACCTATCCTAGTGTGTCCACCTTTACGAAGCCGAGCATAACACCACCT GAAGATCTCCAGAGTCGTTTGAATCTTACGTTAAAGAAGTTTTTGGTTCACTCTTCTCT AGTAATTGGCAAGACATCTCCCTGGAAGATAGTCGTCTAAAGTTCAATCTTCTGGCTCAT TTAGCTGATGACTTGGGTCATGTAGTCCCTAACTCCAGACTCCACCAGATGTGCAGGGTT AGAGATGTTCTTGATTTCTATAATGTCCCTATTCAAGATAGATCTAAATTTGATGAACCT AGTGCCAGTAATCTGCCCCCAATTTGAAAATCACTTGGAGTTACTAAGCAATTCGGAAG AGAAACACATTGAAATCACTGTCTTTCCCTGAGCAAGGGGGCTGCTCATTAGATCTTTTG ATACTTTACCATGTGAAATACTACCAGAACTGTTCTCTAAACCCACTTTTTCTGTAGAGG AATGTATCATCTTTTTTTTCTCATATTACAAATGGACAAATAACGGACTTTCTATTTTC ATATTTGCTGAAACATTTTTTAAATGAAATTAGGTCATTATTTATGAAAAGTTTGAGAG GGCACTGTCAACTTGGGTTTAAGACAGGAGACATTGCAAGTTCACACCTTTCATAGCATA AAGTA
Restriction Sites:	NotI-NotI



[View online »](#)

ACCN:	NM_019051
Insert Size:	1500 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:	<u>NM_019051.1</u> , <u>NP_061924.1</u>
RefSeq Size:	1027 bp
RefSeq ORF:	477 bp
Locus ID:	54534
UniProt ID:	<u>Q8N5N7</u>
Cytogenetics:	9q31.1
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 putative 39S subunit protein and belongs to the L47P ribosomal protein family. Pseudogenes corresponding to this gene are found on chromosomes 2p, 2q, 5p, and 10q. [provided by RefSeq, Jul 2008]