

Product datasheet for **SC207100**

MRPL50 (NM_019051) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	MRPL50
Synonyms:	MRP-L50
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PSI00062)
ACCN:	NM_019051
Insert Size:	2000 bp



Insert Sequence:

>SC207100 3'UTR clone of NM_019051

The sequence shown below is from the reference sequence of NM_019051. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CCCAATTTGAAATCACTTGGAGTTACTAAGCAATTCGGAAGAGAAACACATTGAAATCACTGTCTTTC
CCTGAGCAAGGGGCTGCTCATTAGATCTTTTGATACTTTACCATGTGAAATACTACCAGAACTGTTCT
CTAAACCCACTTTTTCTGTAGAGGAATGTATCATCTTTTTTTTCTCATATTACAAATGGACAAATAAC
GGACTTTCTATTTTCATATTTGCTGAAACCATTTTTTAAATGAAATTAGGTCAATTATTTATGAAAAGTT
TTGAGAGGGCACTGTCAACTTGGGTTTAAGACAGGAGGACATTGCAAGTTCACACCTTTCATAAGCATA
AAGTAGTTGCAAGAAAGTATTTTCATCCTGTTAGGATTCATATCTAAGATAGAGTTATGCATTGCACAT
ACACAAATAAACTTTTATTAGATAGATACCTATAAAAGAAACATAAAAGTATGTTGTGTATTACTGACA
GTTCTAGATTAATTTCTTTAGAATTAAGTAGATTTGTTAAAGTGATTGTGTGTTGTAATTTTTTA
AGTGAAATTTGCTTGCGCTCTGCCCTTGCCATTTCTTTCCAGTAAGTATAATTTTGAAAAAATAGAAATA
TATGCCAAATATTGAGTGCTGTGACTCTTCTCATAAGAGATGTGCCAGATTCTATGTCTAATTGCATA
TTCTCTTCAGAGGAGATGATGCTTATTTTAAACCTTTTTCTCTATAACTTTTAAAAAGTGGTGCTGAGT
ATTCAGTAGAGTGGCAAGTCTTTGTGCTTTAATGCACTCAATTTGTGGAATTACTTAAATAGCAGGTT
ATCAGATGGTCTGAATGACAAAGGTGTTAAATTTGGGATTTTTTTTTCAAGCTTTAGATATGGCTGGA
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AGGGTTTTTAACAAAATAAGTGCATTTATTCTCTTTCCAGGGTACTCCTTTGAAGAGGGCAAAATT
CAGTTGGGAATATAAATCTGGAATCTTCATGAAGAAAATTAGTTAACAGTATAGACATGCCCTACAAA
TATCATCCACAGGCACTTCATTCAAGAACTTCAGGTGTGAGAGTGCTGGAGCTCTGGAGCTTAGACAT
TAGAGTTGATTCTTGGGGATTGGTTCCAGGACACCTACTTGGATACCAAAGTCCACAGATGCCCAAGC
CCCTTTTATAAAATGATGTAGTATTGTCATATTATGTATGCACATCCTCCCATATACTTTAAATCATCT
TTAGATTACTTATACTGAATAGAATGTAATAGTATTTACAATTGTGAATACAATGTATTTAGTTATGT
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GTAAATAGTATTCACAATTGTGAATACAATGTAATAGCTTTCACAATTGTGAATACAATGTAAGTAGC
TATGTAATAGTGAATACAATGTAATAGCTATGTAATAGTTGTTATGCTGATTAGGGAATAATGAGA
AGGAAAAAAGTATACATATTAGTACAGATGCAGTCATCTTTTTTCCCCTCGAACATTTTGTATCCA
CAATTGGTTGAATCCACAGATGGGGAACACACAGTCTTGGTAAATTTAACCAACAAGGAGGGTAAACGC
ATCCCAACAGGGAAGGTAACTGCACATCCATCAGTACCTCTAGAGGGCATCACTGGTTTATAGCTCAA
TACAGTGACTATATCAGAATAATGGCCTTTAGTTTCTGAAAGATTAAATTAGGCTTGCTGTTGTTGA
ATGAGATAATCAAACATATGATGTAATTTTAAAGGGTTTACATACAGAAGGCCTGCTGTATGTCCTGC
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_019051.3

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]

Locus ID: 54534

MW: 77.8