

Product datasheet for SC317426

MRPL19 (NM_014763) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRPL19 (NM_014763) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRPL19
Synonyms:	L19mt; MRP-L15; MRP-L19; MRPL15; RLX1; RPML15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317426 representing NM_014763. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCTGCATTGCAGCGGGGCACTGGGCTGCAATGGGCTAGGCCGGAGTTTCCAAGCCGCCAGG
ACTCTGCTCCCCCGCCGGCCTCTATCGCTGCAGGGTCCACGCGGGCCTGTCCGGCAGCAGAGCACT
GGGCTTCCGAGCCCGGTGCGTTCCAACCGCCGCGAAACCGGTCATCGTGGACAAGCACCGCCCCGCTG
GAACCGGAACGCAGGTTCTTGTGCTGAATTCATTCCTCGAAGGGGAAGAAGCAGATCCTCTGAAATTT
CAAATAGAAAAGAAAAGATATGTTAGAAAAGGAGAAAAGTACTCCACATTCCAGAGTTCTATGTTGGAAGT
ATTCTTCGTGTTACTACAGCTGACCCATATGCCAGTGGAAAAATCAGCCAGTTTCTGGGGATTTGCATT
CAGAGATCAGGAAGAGGACTTGGAGCTACTTTTCATCCTTAGGAATGTTATCGAAGGACAAGGTGTGAG
ATTTGCTTTGAACTTTATAATCCTCGGGTCCAGGAGATTCAGGTGGTCAAATTAGAGAAACGGCTGGAT
GATAGCTTGCTATACTTACGAGATGCCCTTCTGAAATATAGCACTTTTGTGTAATATGAAGCCAGTA
GTACAAGAGCCTAACCAAAAAGTTCTGTAAATGAGCTGAAAGTAAAAATGAAGCCTAAGCCCTGGTCT
AAACGCTGGGAACGTCCAAATTTAATATTAAGGAATCAGATTTGATCTTTGTTAACTGAACAGCAA
ATGAAAGAAGCTCAGAAGTGAATCAGCCATGGCTTGAATTTGATATGATGAGGGAATATGATACTTCA
AAAATTTGAAGCTGCAATATGGAAGGAAATGAAGCGTCGAAAAGGCTTGA
ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
Plasmid Map:	□
ACCN:	NM_014763
Insert Size:	879 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_014763.3
RefSeq Size:	7827 bp
RefSeq ORF:	879 bp
Locus ID:	9801
UniProt ID:	P49406
Cytogenetics:	2p12
Domains:	Ribosomal_L19
MW:	33.5 kDa
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. [provided by RefSeq, Jul 2008]