OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC208809

MRPS14 (NM_022100) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRPS14 (NM_022100) Human 3' UTR Clone
Symbol:	MRPS14
Synonyms:	COXPD38; DJ262D12.2; HSMRPS14; MRP-S14; S14mt
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_022100
Insert Size:	1741 bp

View online »

Insert Sequence:

>SC208809 3'UTR clone of NM_022100
The sequence shown below is from the reference sequence of NM_022100. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTTTCTGGGATCCAGCGAGCGACATGGTAAATGAGCTCCAGAACCTATTGAGCTTGCAGGGAAGCCAAG
CTTGCAGTTCCAGCAAGCAAAGATTTTTTTTAATAGACCAAACCCTAATCTCTACAGGGGCCCAGTACA
GTTGTTTGGCCTACCTGATGCTATCTCTAAACTACTTTTAAAATGAAGACATTTGGGTGTTTCATGTCA
GTGAATTATCTTTTCTCTTGGACTTAACAAACATACTGTTCCCATACATAGTACAAAGAGTAGCATAAT
AAATATTTTCTGTGAATGTTTTTTATACCCTCCTTTTAAGTTTAATCTTTTAGTAACATATAGGGGTTT
TTGTATTAAGAGCATTATTTCATAAAATGCTATCTTATACATAATCCAACTAATTGACATGTAGCTCAT
GTATGGCAGTTTGTAATCCTGGACTAGCTTTGCTGACCTGCAGAGCTCCCCTTAACTATTATTGTTAGA
TAAACAGATTGGATAGCAAGGCTGCTGTTCTGGATTATCTAATGCTCCACTTCTTCTTGTGATGGCTGA
ACAAAAGAACCACTAAGTGTTTTCTTGTCCATCCTTAAGGGACTTTAAAACAAATTATGCCTCTTTAAG
TCCTTGAAAGTCTCCATCTAAAGAGGAAAAGTTTGTTGGAACAGTATATATTCCCTATTTTTATGTTTA
TTTAATCCATAACAGAAATGAGTAAGGGTAGCACAAAGTTCTCATTCAGTAACTCAACAGTGTGATCAT
CAGCCCAGTGATAAAAATATACATACTGAATGGAAGTACCTACTTAACATCAGGAAAATATTCCTGGAG
AACTTAATAAATCAGGAGGTGAGGGGTGAGATTTTTTTCTGCACACAGAGGGAACAAAAGCACAAAGAA
GCAAAGGCACTCTGTAGCATCAGAGAACCACAGTCACTTCAGTAGATCAGAAATATGAAGCACAAGACA
AGGCCCGTATTGTGGAGGATCTCACAAATCATGTGAAGGAATTAAGACTGACATACCAGGTATTACAGA
GTTTTAAGCACAGGAATGACATCATCAGTTTGTAATACAGGTAAGTGACAGCTGTGTGGCAGATGGCCA
TGAGAGGAAAAAGCTACAGGCAAGACAACCAGTTAGGAGGATGTCTTAGTTGTTGAGGAAGATGAAGGC
CTGAACTAACATTGTGGTATTAGTAGAGGAGAGAGGACAGATTTTTAAAGTTTTAGGAAAGAAAATTGG
GCAAGACTTACAAGACTGATTATATCTAAGAGGTAAAGATGGTTCTCTGGGTTCCTGATAAAAGTGTCT
AGATAGATGGTAGAGGGCAATTCCAAGAGGGCAACTCCAAGATAGAAAATTTGGAAAAAGAACAAATTT
AGGGGAAACAGAAGATAAGCGAGTTCAGGTTCCAGTCATGCGGTGTTGGAGATGCCTGTGTCATCTGAT
GAAGACTAGTACGCAGCTGGATAGCAGAGTCCGAAACTCAGGTGGAGGTGAAGTTATGAGGGAATTATC
ACAATCTAGTTTGGATTCATATTTCTTAAATATGTATGACAACTTACCAACTGGAATGTTCTAGCTAAT
ATCTCAACTTAGAATCCATCTCACTACCAATGGGCAAACACTTGTGTTCTAAAGTTACTTGCAAGTAGT
TTATACTGCCAACTTGATATATATACATGCTATAGTTTGAACATTTTGTGTACTTCCAAAATTCACATT
AAAATCTAATCCACAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-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.

RefSeq: NM_022100.3

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 28S subunit protein that belongs to the ribosomal protein S14P family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]

Locus ID: 63931

MW: 67.5