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Product datasheet for SC323953

MRPS11 (NM_022839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRPS11 (NM_022839) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRPS11
Synonyms:	HCC-2; MRP-S11; S11mt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_022839.2 CCACGCGTCCGACTGACTGGGGTCAATTCAAGTCATGCAGGCTGTGAGAAACGCGGGGTC GCGGTTCCTGCGGTCCTGGACTTGGCCCCAGACAGCCGGCAGGGTCGTGGCCAGAACGCC GGCCGGGACCATCTGCACAGGCGCTCGACAGCTCCAAGACGCTGCGGCCAAGCAGAAAGT TGAACAGAACGCGGCTCCCAGCCACACCAAGTTCAGCATTTACCCTCCCATTCCAGGAGA GGAGAGCTCTCTGAGGTGGGCAGGAAAGAAATTTGAGGAGATCCCAATTGCACACATTAA AGCATCCCACAACAACACACAGATCCAGGTAGTCTCTGCTAGTAATGAGCCCCTTGCCTT TGCTTCCTGTGGCACAGAGGGATTTCGGAATGCCAAGAAGGGCACAGGCATCGCAGCACA GACAGCAGGCATAGCCGCAGCGGCGAGAGCTAAACAAAAGGGCGTGATCCACATCCGAGT TGTGGTGAAAGGCCTGGGGCCAGGACGCTTGTCTGCCATGCACGGACTGATCATGGGCGG CCTGGAAGTGATCTCAATCACAGACAACACCCCAATCCCACACAACGGCTGCCGCCCCAG GAAGGCTCGGAAGCTGTGATGGGAAGGAGGCCTGCACTTGGACCTGACCTCAAGCCTCAG CTCCAGTGGGACCTTGTAAAATGCTCCCTGTCAGAGCTCTCCAGAATATGCTTGTTGGAG ATCCTTCAGGCAGTAAGGGAGAGTTTTGCCTCCTTACACAGTGGCCTTTGCTTGCACCTC CAGCTGGAGATGGGTGTGCCCCAGAAGTAAGCTTTGCATCTCTTACAAGAGGGGAGCTAC AGGGGCAGCCGTGGCCTAGGCCCAAACTCTGCTCTGAGAAAATAAATATCTGTACCACCT GTCAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	ECoRI-NOT
ACCN:	NM_022839
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).

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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:	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_022839.2, NP_073750.2
RefSeq Size:	1136 bp
RefSeq ORF:	585 bp
Locus ID:	64963
UniProt ID:	P82912
Cytogenetics:	15q25.3
Domains:	Ribosomal_S11
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 28S subunit protein that contains a high level of sequence similarity with ribosomal protein S11P family members. A pseudogene corresponding to this gene is found on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2016] Transcript Variant: This variant (1) is the predominant variant and it encodes isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.