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Product datasheet for SC203328

ICT1 (MRPL58) (NM_001545) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ICT1 (MRPL58) (NM_001545) Human 3' UTR Clone
Symbol:	ICT1
Synonyms:	DS-1; DS1; ICT1; MRP-L58
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001545
Insert Size:	286 bp
Insert Sequence:	>SC203328 3'UTR clone of NM_001545 The sequence shown below is from the reference sequence of NM_001545. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGACAAGCAGGAGGGTCGACATGGACTGAAATCACCCTCTGCAGCTGGGAGGGCTCTTCTGGGCGTCC GGGCAGCTGCAGCTGAGAGGACTTTCACACCATAAGGAGATTTCTGTTTTTCTTTTTGGCTGTTAATGC TTGTCTATAACATTGGAGCCATCACAAGAATGTTCATTTGGAATGAAGGCTGCAGGCACTGGTTGCAGA CGTCTTTATAGGCAGTCACCATGTTGTCAAACCTTAATAATGCACCTCATGTATTAGTCACAATAAAAA TCAGAACTCA 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_001545.3

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Summary: The protein encoded by this gene is a peptidyl-tRNA hydrolase and a vital component of the large mitochondrial ribosome. The encoded protein serves as a ribosome release factor for this ribosome, which translates mitochondrial genes. This protein may be responsible for degrading prematurely-terminated polypeptides and for reusing stalled ribosomes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

Locus ID: 3396

MW: 10.7