

Product datasheet for MC206924

Ict1 (BC028523) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ict1 (BC028523) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ict1
Synonyms:	1110001A02Rik; 1110002E03Rik; MRP-L58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206924 representing BC028523. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
ATGGCGACCGCCTGGGGCTACGCTGGGGCTGAGCCGAACGTTGTTGCTCGCGCCGCCCGC
CGCTGTGCTCGCCGGCTCTGCACAGACAGGTAGACGGCACCGTTCCAGAGCATCTACAGCCTGGAC
AAGCTGTACCCCGAGTCCAAGGGCGGGATACCGCCTGGAAGTCCCGGAGCATGCAAAACAAGCCAGC
AGTTACATCCCTCTGGATCGGTTAAGCATATCTTACTGTCGGAGCAGCGTCTGGTGGGCAGAATGTG
AACAAAGTGAATCCAAGGCTGAAGTAAGTTTCACTTGGCCAGTGCAGACTGGATTGAGGAGCCCGTG
CGCCAGAAGATTGCCCTACGCATAAAAAAAGATCAACAAGGCAGGAGACTGGTACTTACCTCTGAG
AGCAGCCGGTATCAGTTCGCAATCTGGCAGAATGCCTACAGAAAATTCGAGACATGATTGCCGAGGCC
AGCCAGGTACCCAAAGAGCCATCCAAGGAAGATGCTCGGCTTCAGAGACTCAGGATTGAAAAGATGAAT
CGGGAAAGGCTACGACAGAAAAGACTAAACTCTGCCCTAAAGACCAGCAGGAGGATGACTATGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	BC028523
Insert Size:	621 bp
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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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:	<u>BC028523</u>
RefSeq Size:	879 bp
RefSeq ORF:	620 bp
Locus ID:	68572
Cytogenetics:	11 E2
MW:	23.5 kDa
Gene Summary:	Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal subunit (PubMed:20869366). Acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. May be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes (By similarity).[UniProtKB/Swiss-Prot Function]