

Product datasheet for **SC324153**

c20orf72 (MGME1) (NM_052865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	c20orf72 (MGME1) (NM_052865) Human Untagged Clone
Tag:	Tag Free
Symbol:	c20orf72
Synonyms:	bA504H3.4; C20orf72; DDK1; MTDPS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_052865.2
 AGCGAAGTGTGGTGGCTTCCAAGGAATACAAACATAAAGGCCTTCGACCGTTGCAAATAG
 ACTAAAGTGAAAAACAAATCTGAATGAAGATGAAGTTATTTTCAGACCATTTCAGGCGAGCT
 CAGGAGTTCAAAGTTTTCTGTGGAATCAGCTGCCCTTGTGGCTTCTCTACTTCTCTTA
 CTCATGTGGCCGGAAGAAAAAGTGAACCCATATGAAGAAGTGGACCAAGAAAAATACTC
 TAATTTAGTTCAGTCTGTCTTGTCCAGAGGCGTGCACAGACCCCGGGATCGGTGGA
 GGAAGATGCTTTTGTCTGTGACCCGTGAGCAAGCATAAGCTGCCAAACCAAGGTGAGGA
 CAGACGAGTGCCACAAAACCTGGTTTCTCTCAATCCAGAGAGAAGTGATAAACCAAA
 TGCAAGTGATCCTTCAGTTCCTTTGAAAAATCCCTTGCAAAGGAATGTGATACCAAGTGT
 GACCCGAGTCTTCAGCAGACCATGACAAAAACAGGTTTTCTTGTGGAGAGGTGGAA
 ACAGCGGATGATTCTGGAACCTGGGAGAAGATGGCTTTAAAGAATACACTTCAAACGTCTT
 TTTACAAGGAAACGGTTCACGAAGCCTTGAAAGCATACTTTCACCCAGGAAACCTT
 AAAAGAGAGAGATGAAAACTCCTCAAGTCTGGTTACATTGAAAGTGTCCAGCATATTCT
 GAAAGATGTCAGTGGAGTGCAGCTCTTGAAGTGTGTTCAACATGAAACCTTAAACTA
 TATAGGCTGCTGGACTGTGTGGCTGAGTATCAGGGCAAGCTCTGTGTGATTGATTGGAA
 GACATCAGAGAAACCAAGCCTTTTATTCAAAGTACATTTGACAACCCACTGCAAGTTGT
 GGCATACATGGGTGCCATGAACCATGATACCAACTACAGCTTTCAGGTTCAATGTGGCTT
 AATTGTGGTGGCTACAAAGATGGATCACCTGCCACCCACATTTTCATGGATGCAGAGCT
 CTGTTCCAGTACTGGACCAAGTGGCTTCTCGACTAGAAGAATATACGGAAAAAGAAAA
 GAACCAGAATATTCAGAAACAGAATATTCAGAATAGGGAGCAAGTTGCTATTTGGGAAC
 ATTCAGCACCTTCTCACAGTTTGGGAACATATATTGCTGTTTACTCCAGTGTAAAAATGA
 GGTGCCACTGGATCTGAGTGTACACGAACACAAGTAGAAGTATTAATTTGTTGAAATGT
 GTTGTACCAAAAAGACTGAAAAGCCCCAAAGTCTAGATATAAAGACCTAGACTTCGGCA
 CGCGAAATCCCAGCTATGCTACCTCTTATTTACCTGAAAGGAGGACACGCAGGATGGGCA
 GTCATGCTGGTACTCTTGTACTCCCTTGAAGGACATTGGGGGGGGGGGGCGTGGTCCC
 AGGCAGGATGCCAGTCTTTGAGCTGAGATTGGAAGGCAGTGAAGGCTGAGGGTGCCAAGA
 TTTCCCGAGGTTACCCAGAGGGGAAGGGGCTACATGCCCCAGCTGTGTGCAGGGAGG
 ACACATCAGCCCACTACCGCTGCCAACCAATGCCTAAAACCTTGTTCATACATTGGGG
 TTTTCTATATATTCAGCTGGGAAAAGCTTACATTTAACCTTTTGAAAAAATAAATACGT
 GATTAGCCTCAACTAAACATTGCTGACTATAAAGACAGTATATTCACCATGTCGCTGGCA
 ATATGTCATTGCGTAACACCAAATAACCCCCAGAAGTAGCCAGAGGCCAGTTTGAACAT
 CACAATTCAGTGTGTTTGTAGTAACTATTTCTGGCGTGAAGTCAACAGATCATGTAGATAGA
 GTCAATATTGTTTGTGGAGTTTTTTCAGCTATAGGGGAGGGGAACATTAATAATCCATTT
 GTTTCTATTCAATAGGTAATAAAAATTAGTTGTCCCTGGGTTTGGGAACTTAAATGCC
 ATTACAGCCCTGGGGAAGGGTTTTCTGTCTTATGGAGTGAAGTCTTAGCATTAAAGTTATA
 CAGTTGCTGCCTAAAATAGTAGCCTGCTACAATGACTTCTTTGGGTAGCCATTTTCATA
 AGAAATAAATAACAAGATATGAGTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_052865

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:	<u>NM_052865.2</u> , <u>NP_443097.1</u>
RefSeq Size:	2142 bp
RefSeq ORF:	1035 bp
Locus ID:	92667
UniProt ID:	<u>Q9BQP7</u>
Cytogenetics:	20p11.23
Gene Summary:	<p>The protein encoded by this gene is a nuclear-encoded mitochondrial protein necessary for the maintenance of mitochondrial genome synthesis. The encoded protein is a RecB-type exonuclease and primarily cleaves single-stranded DNA. Defects in this gene have been associated with mitochondrial DNA depletion syndrome-11. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>