

Product datasheet for SC120149

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120149 sequence for NM_052865 edited (data generated by NextGen Sequencing)

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ATGAAGATGAAGTTATTTTCAGACCATTTGCAGGCAGCTCAGGAGTTCAAAGTTTTCTGTG
GAATCAGCTGCCCTTGTGGCTTTCTACTTCCTTACTCATGTGGCCGGAAGAAAAA
GTGAACCCATATGAAGAAGTGGACCAAGAAAAACTCTAATTTAGTTCACTGTCTTGTG
TCATCCAGAGGCGTCGCCAGACCCGGGATCGGTGGAGGAAGATGCTTTGCTCTGTGGA
CCCGTGAGCAAGCATAAGCTGCCAAACCAAGGTGAGGACAGACGAGTGCCACAAAAGTGG
TTTCCTATCTTCAATCCAGAGAGAAGTGATAAACCAAATGCAAGTGATCCTTCAGTTCCT
TTGAAAAATCCCCTTGCAAAGGAATGTGATACCAAGTGTGACCCGAGTCCCTCAGCAGACC
ATGACAAAACAACAGTTTTTCTGTTGGAGAGGTGAAACAGCGGATGATTCTGGAAGTGG
GGAGAAGATGGCTTTAAAGAATACACTTCAAACGTCTTTTTACAAGGAAACGGTCCAC
GAAGCCTTGAAAAGCATACTTTACCCAGGAAACCTTAAAAGAGAGAGATGAAAATCTC
CTCAAGTCTGGTTACATTGAAAGTGTCCAGCATATTCTGAAAGATGTCAGTGGAGTGCGA
GCTCTTAAAAGTGTGTTCAACATGAAACCTTAACTATATAGGTCTGCTGGACTGTGTG
GCTGAGTATCAGGGCAAGCTCTGTGTGATTGATTGGAAGACATCAGAGAAACCAAGCCT
TTTATTCAAAGTACATTTGACAACCCACTGCAAGTTGTGGCATAACATGGGTGCCATGAAC
CATGATACCAACTACAGCTTTTCAGGTTCAATGTGGCTTAATTGTGGTGGCCTACAAAGAT
GGATCACCTGCCACCCACATTTTCATGGATGCAGAGCTCTGTTCCAGTACTGGACCAAG
TGGCTTCTCGACTAGAAGAATATACGGAAAAGAAAAGAACCAAGAAATATTCAGAAACCA
GAATATTCAGAATAG

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Clone variation with respect to NM_052865.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_052865 unedited NGGTTCAAATATTTGTATACGACTTACTATAGGGCGGCCCGGATTTCGGCACGAGCGGGT ATTGAGTCTTGATTTATTTATAAATTTTTTTGGAGGCAGGGTCTCGCTCTGTGACTTT CTTAAGAAAGGGCTCTGTCCAAACATGNTCGAAAAAGTTCACAATTTTGATGTGCAATAT CATTCTGATGCAGCTTTCGCTTTGATGGTTGTTTTCTCCAATAGGAATACAAACATAA AGGCCTTCGACCGTTGCAAAATAGACTAAAGTAAAAACAAATCTGAATGAAGATGAAGTTA TTTCAGACCATTTCAGGCAGCTCAGGAGTTCAAAGTTTTCTGTGGAATCAGCTGCCCTT GTGGCTTTCTCTACTTCTTACTCATGTGGCCGGAAGAAAAAGTGAACCCATATGAA GAAGTGGACCAAGAAAAATACTCTAATTTAGTTTCACTGTCTTGTCTATCCAGAGCGTC GCCCAGACCCCGGATCGGTGGAGGAAGATGCTTTGCTCTGTGGACCCGTGAGCAAGCAT AAGCTGCCAAACCAAGGTGAGGACAGACGAGTCCACAAAACCTGGTTTCTATCTTCAAT CCAGAGAGAAGTGATAAACCAATGCAAGTGATCCTTCAGTTCCTTTGAAAATCCCCTTG CAAAGGAATGTGATACCAAGTGTGACCCGAGTCTTCAGCAGACCATGACANNAACACAG GGTNTCTTGTGGAGAAGTGGAAACAGCGNATGATTCTGGAAGTNGAGAAAGATGCTN TAAAAGATACACTTCANACGTCTTTTACAAGGGAANACGTTCCACGAAGCCTTGAAGC ATACTTTCACCCAGNNACTTANAGAGAGAGATGAAATCTCCTCAGTCTGGTACATTGN AAGTGTCCGCATATCTGAAAGATGCAGTGGAGTGGCGACTCTTGAAG
Restriction Sites:	ECoRI-NOT
ACCN:	NM_052865
Insert Size:	2250 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).
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:	NM_052865.2 , NP_443097.1
RefSeq Size:	2142 bp
RefSeq ORF:	1035 bp
Locus ID:	92667
UniProt ID:	Q9BQP7
Cytogenetics:	20p11.23

Gene Summary:

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]
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.