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Product datasheet for SC319129

OPA3 (NM_025136) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OPA3 (NM_025136) Human Untagged Clone
Tag:	Tag Free
Symbol:	OPA3
Synonyms:	MGA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_025136.1
GTGCCCTGTGAGACCGCCAAGATGGTGGTGGGCGCGTTCCCTATGGCGAAGCTGCTATAC
TTGGGCATCCGGCAGGTCAGCAAGCCGCTTGCCAACCGTATTAAGGAGGCCGCCCGCCGA
AGCGAGTTCTTCAAGACCTATATCTGCCTCCCGCCGGCTCAACTGTATCACTGGGTGGAG
ATGCGGACCAAGATGCGCATCATGGGCTTCCGGGGCACGGTCATCAAGCCGCTGAACGAG
GAGGCGGCAGCCGAGCTGGGCGCAGAGCTGCTGGGCGAAGCCACCATCTTCATCGTGGGC
GGCGGCTGCCTAGTGCTGGAGTACTGGCGCCACCAGGCGCAGCAGCGCCACAAGGAGGAG
GAGCAGCGTGCTGCCTGGAACGCGCTGCGGGACGAGGTGGGCCACCTGGCGCTGGCGCTG
GAAGCGCTGCAGGCGCAGGTGCAGGCGGCGCCGCCACAGGGCGCCCTGGAGGAACTGCGC
ACAGAGCTGCAAGAGGTGCGCGCCCAGCTCTGCAATCCCGGCCGGTCCGCTTCCCACGCA
GTGCCTGCGTCCAAGAAATAGGAGCTTGCTGGATGGAACCTGAATTTGGACATGGCCTAT
GTACCTAACGTGGCCTTCTTCCCGCACCACCCTTGCCTGCGCTGGCCCAGTGGAAACCAC
CAGGATCTTGATGCAACTTGGCATTTGGTTACCCCTGCTGATAAGAGCAGCCATTACCTG
CCACTGGGACCAGCAGGTGAAGCGTTGCAACATAGCCCCCTCCATCATCCTTCACCTCCT
ATCCCCCACTCCAAACCAGGACGACCTGCAAGGTCCCAGCCAGCAGGACACCGTGGGCAC
TCTGGCAAATGAAAAAATGGAACCTGGTCTTGAGCTGAATCAATGTGTTATTGTTACCCC
CACCCCCGGTTTACCTGATCAGTGTTAACCTTTACTGGGACACTCATCTGTTACACTGGA
ACACCTTCTTCTTTTTGTCAATCGGCACAGACCACTGTAAGGAAATGCAGTGTGTTGCAG
TGGCCTTTTCTCCCCCTCACCTTCTAAGGTCAGCTCTAGCTGAGCATCAGTGCTCTCTTA
AGGAGGAAAAAAACGGTGCGGCTGGGAGCGGTGGCTCACGCCTGTAATCCTAGCACCTTG
GGAGGCCGAGGCGGGCGGATCACTTGAGGTCAGGAGTTCCAGACCAGCCTGGCCAACAAG
GTGAAACTCCGTCTCTACTAAAAATACAAAAATTAGCCGGGTGTGGTGGGGTGCGCTTGT
AATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCCATGAGGTGGAGGTT
GCGGTGAGCCAAGATGGCACCATTGCACCCTAGCCTGGGCAACAGAGCAAGACACCGTCT
TAAAACCAAAAGTTAACCGGGCGTGGTGGTGGGTGCCTGTAATCCTAGCTACTTGGGAGG
CTGAGGCAGGAGAATTGCTTGAACTTGGGAGGTGGAGGCCAAGATTGTACCACTGTATTC
CAGCCCGGGTGACAGAGCAAGACTGTGTCTCAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_025136
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:	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_025136.1, NP_079412.1
RefSeq Size:	1584 bp
RefSeq ORF:	540 bp
Locus ID:	80207
UniProt ID:	Q9H6K4
Cytogenetics:	19q13.32
Gene Summary:	The mouse ortholog of this protein co-purifies with the mitochondrial inner membrane. Mutations in this gene have been shown to result in 3-methylglutaconic aciduria type III and autosomal dominant optic atrophy and cataract. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009] Transcript Variant: This variant (2) represents the longer transcript but encodes the shorter isoform (b). 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.

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