

Product datasheet for **SC320628**

MECR (NM_001024732) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MECR (NM_001024732) Human Untagged Clone
Tag: Tag Free
Symbol: MECR
Synonyms: CGI-63; DYTOABG; ETR1; FASN2B; NRBF1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001024732.1
GCTCTGTGTTGGTTGGAGCGAGCATGTGGGTCTGCAGTACCCTGTGGCGGGTGGCAACCC
CCGCCCCGCGAGTGGCGGGGCTGCTCCCAGCTTCTGGCTGTACGGACCTGCCGCTCCT
CCTACTCCGCATCCGCCGAGCCTGCCCGGGTCCGGGCGCTTGTCTATGGGCACCACGGGG
ATCCAGCCAAGGTCGTGAACTCAAGAACCTGGAGCTAGCTGCTGTGAGAGGATCAGATG
TCCGTGTGAAGATGCTGGCGGCCCTATCAATCCATCTGACATAAATATGATCCAAGGAA
ACTACGGACTCCTTCTGAACTGCCTGCTGTTGGAGGGAACGAAGGTGTTGCACAGGTGG
TAGCGGTGGCAGCAATGTGACCGGGCTGAAGCCAGGAGACTGGGTGATTCCAGCAAATG
CTGTTTTAGGAACCTGGCGGACCGAGGCTGTGTTGAGCGAGGAAGCACTGATCCAAGTTC
CGAGTGACATCCCTTTCAGAGCGCTGCCACCCTGGGTGTCAATCCCTGCACAGCCTACA
GGATGTTGATGGACTTCGAGCAACTGCAGCCAGGGGATTCTGTATCCAGAAATGCATCCA
ACAGCGGAGTGGGCAAGCGGTATCCAGATCGCCGAGCCCTGGGCCTAAGAACCATCA
ATGTGGTCCGAGACAGACCTGATATCCAGAAGCTGAGTGACAGACTGAAGAGTCTGGGGG
CTGAGCATGTCATCACAGAAGAGGAGCTAAGAAGGCCCGAAATGAAAACTTCTTTAAGG
ACATGCCCCAGCCACGGCTTGCTCTCAACTGTGTTGGTGGGAAAAGCTCCACAGAGCTGC
TGCGGCAGTTAGCGCGTGGAGGAACCATGGTAACCTATGGGGGGATGGCCAAGCAGCCCG
TCGTAGCCTCTGTGAGCCTGTCTATTTTTAAGGATCTCAAACCTTCGAGGCTTTTGGTTGT
CCCAGTGAAGAAGGATCACAGTCCAGACCAGTCAAGGAGCTGATCCTCACACTGTGCG
ATCTCATCCGCCGAGGCCAGCTCACAGCCCTGCCTGCTCCCAGGTCCCCTGTCAGGACT
ACCAGTCTGCCTTGAAGCCTCCATGAAGCCCTTCATATCTTCAAAGCAGATTCTCACCA
TGTGATCATCCCAAAAGAGCTGGAGTGACATGGGAGGGGAGGCGGATCTGAGGGGCTGGG
TGCAGGCCCTCAGTTGGGGCTCCACCTTCCCCAGACTACTGTTCTCCTCACTGCCTCT
TCCTATTAGGAGGATGGTGAAGCCAGCCACGGTTTTCCCCAGGGCCAGCCTTAAGGTATC
TAATAAAGTCTGAACTCTCCCTTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_001024732
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_001024732.1</u> , <u>NP_001019903.1</u>
RefSeq Size:	2434 bp
RefSeq ORF:	894 bp
Locus ID:	51102
UniProt ID:	<u>Q9BV79</u>
Cytogenetics:	1p35.3
Protein Families:	Druggable Genome
Protein Pathways:	Fatty acid elongation in mitochondria, Metabolic pathways
Gene Summary:	<p>The protein encoded by this gene is an oxidoreductase that catalyzes the last step in mitochondrial fatty acid synthesis. Defects in this gene are a cause of childhood-onset dystonia and optic atrophy. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (2), as well as variants 3-6, encodes 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.</p>