

Product datasheet for **SC320599**

DCI (ECI1) (NM_001919) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DCI (ECI1) (NM_001919) Human Untagged Clone
Tag: Tag Free
Symbol: DCI
Synonyms: DCI
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001919.2
 ATGGCGTGGTGGCTTCTGTGCGAGTCCC GGCGCGGTTCCGCTCCGCGGGGGCCCGG
 CTCCC GGCGCGGCCCTCGGGCGGACGGAGCGGGCGGCCGGCGGGAGACGGCGCGCGG
 CGTTCCGGGAGCCAGCGGGTGTGGTGGAGCCGACGCGGGCGCAGGGGTCGCTGTGATG
 AAATTC AAGAACCCCAAGTGAACAGCCTGAGCCTGGAGTTTCTGACGGAGCTGGTCATC
 AGCCTGGAGAAGCTGGAGAATGACAAGAGCTTCCGCGGTGTCATTCTGACCTCGGACCGC
 CCGGGTGTCTTCTCGGCCGGCTGGACCTGACGGAGATGTGTGGGAGGAGCCCCGCCAC
 TACGCTGGTACTGGAAGCCGTT CAGGAGCTGTGGCTGCGGTTGTACCAGTCCAACCTG
 GTGCTGGTCTCCGCCATCAACGGAGCCTGCCCGCTGGAGGCTGCCTGGTGGCCCTGACC
 TGTGACTACCGCATCCTGGCGACAACCCAGGTA CTGCATAGGACTCAATGAGACCCAG
 CTGGGCATCATCGCCCTTTCTGGTTGAAAGACACCCTGGAGAACACCATCGGGCACCGG
 GCGGGCGGAGCGTCCCTGCAGCTGGGGCTGCTCTTCCCGCGGGCGGAGGCCTGCAGGTG
 GGCATAGTGGACCAGGTGGTCCC GGAGGAGCAGGTGCAGAGCACTGCGCTGT CAGCGATA
 GCCCAGTGGATGGCCATTCCAGACCATGCTCGACAGCTGACCAAGGCCATGATGCGAAAG
 GCCACGGCCAGCCGCTGGT CACGACGCGCATGCGGACGTGCAGAACTTCGT CAGCTTC
 ATCTCAAAGACTCCATCCAGAAGTCCCTGCAGATGTACTTAGAGAGGCTCAAAGAAGAA
 AAAGGCTAACGATTGGGCTGCCACAGGCTACGGCCACACGTGCCCTGTGGTCCCAGG
 GAGGTCTTAAACAAGGTATTTTTCAACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001919
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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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:	NM_001919.2 , NP_001910.2
RefSeq Size:	1043 bp
RefSeq ORF:	909 bp
Locus ID:	1632
UniProt ID:	P42126
Cytogenetics:	16p13.3
Domains:	ECH
Protein Pathways:	Fatty acid metabolism
Gene Summary:	<p>This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>