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Product datasheet for SC330169

CROT (NM_001243745) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: CROT (NM_001243745) Human Untagged Clone

Tag: Tag Free

Symbol: CROT

Synonyms: COT

Vector: pCMV6-Entry (PS100001)

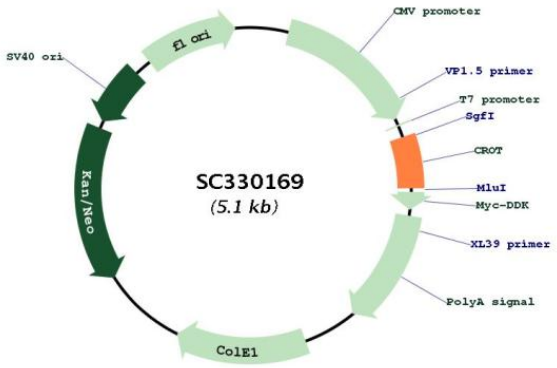
Fully Sequenced ORF:

>SC330169 representing NM_001243745.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAAAATCAATTGGCTAAATCAACTGAAGAACGAACATTTCAGTACCAGGATTCTCTTCCATCACTG
CCTGTTCCTTCACTTGAAGAATCATTAAAAAAATACCTTGAATCAGTGAAACCATTTGCAAATCAAGAA
GAATATAAGAAAACTGAAGAAATAGTTCAAAAATTTCAAAGTGGGATTGGAGAAAAATTGCACCAGAAA
TTGCTTGAAAGAGCAAAAGGAAAAAGAAATTGGGTATTTGTTGTTATAATTGAATAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001243745

Insert Size: 264 bp

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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:	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_001243745.1
RefSeq Size:	1264 bp
RefSeq ORF:	264 bp
Locus ID:	54677
UniProt ID:	Q9UKG9
Cytogenetics:	7q21.12
Protein Families:	Druggable Genome
MW:	10.2 kDa
Gene Summary:	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long- chain acyl-CoA molecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been described.[provided by RefSeq, Jan 2009] Transcript Variant: This variant (3) includes an alternate segment and a distinct 3' UTR compared to variant 1. The encoded isoform (3) is significantly shorter and has a distinct C-terminus, compared to isoform 1.