

Product datasheet for **RC207888L4V**

CROT (NM_021151) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CROT (NM_021151) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CROT |
| Synonyms: | COT |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_021151 |
| ORF Size: | 1836 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC207888). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_021151.2 |
| RefSeq Size: | 3258 bp |
| RefSeq ORF: | 1839 bp |
| Locus ID: | 54677 |
| UniProt ID: | Q9UKG9 |
| Cytogenetics: | 7q21.12 |
| Domains: | Carn_acyltransf |
| Protein Families: | Druggable Genome |



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MW: 70.2 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]