

Product datasheet for **RN202427**

Oxct1 (NM_001127580) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxct1 (NM_001127580) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Oxct1
Synonyms:	SCOT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202427 representing NM_001127580
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTCTTAAACTCTTGCTCCTCCGGGCTTCGGCTCTGCGCCTCCGCCCGCAACTCGCGGGGCGCC
 TGCACAAGGGGTGCCTGCTACTTTCCGTCAGTACTCGTCACCAACCAAATTTACACAGATCCCGT
 GGAAGCTGTAAGATATTCTAATGGTCAACCTTGCTGGTTGGTTTCGGGTTGTGTGGTATTCCA
 GAGAATCTCATAGGAGCTTTGCTGAAGACCGGAGTGAAGGATCTAACTGCAGTCAGCAACAATGCAGGGG
 TTGACAACTTCGGCCTGGCCTTTACTTCGATCTAAGCAGATAAAACGCATGATCTCCTCATATGTGGG
 AGAAAACGCAGAGTTGAGCGACAGTCTTATCGGGTGAAGTAGAGCTGACACCTCAGGGCACT
 CTTGCAGAGAGGATCCGTGCAGGTGGGGCTGGCGTCCCTGCCTTCTACACCAGCACAGGGTATGGGACCC
 TGGTGAAGAGGGAGGATCACCCATCAAATAACAAAGATGGCAGTGTGCCATTGCCAGCAAGCCACG
 AGAGGTGAGGGAGTTCGCGGTGAGCAGTCTTTATTTGGAGGAAGCCATCACGGGAGACTTTGCTTTGGTG
 AAGGCCTGAAAACGAGACCGGGCAGGAAATGTGATTTTCAGGAAAAGTGAAGAACTTCAATTTGCCAA
 TGTGCAAAGCTGCAGGAACCACAGTGGTGGAGGTTGAAGAAATTGTAGACATTGGCTCGTTTGCTCCAGA
 AGATATCCACATCCCAAGATTTATGTGCACCGCCTTATAAAGGGAGAGAAAATGAGAAGAGAATCGAG
 CGTTTATCACTGCGAAAGGAAGGTGAAGGAAAAGCCAAGTCTGGTAAGCCCGGAGAAGACGTCAGGGAGC
 GGATCATCAAGAGAGCCGCTCTTGAGTTTGAGGATGGCATGTATGCTAACCTGGGTATAGGGATACCTCT
 TCTGGCCAGCACTTTATCAGCCAAACATGACTGTTTCATCTCCAAGTGAAAATGGAGTCTTGGGCTTG
 GGCCCATCCCACTAAAAGACGAAGCTGATGCTGACCTCATCAATGCAGGAAAGGAAACGGTACTGTTC
 TCCAGGAGCCTCTTTCTCCAGCGATGAATCATTTCGCCATGATTAGAGGGGGACAGTCAATCAATCAAC
 GATGTTAGGAGCCATGCAGGTTTCTAAATATGGTACTTGGCCAACTGGATGATACCTGGGAAAATGGTG
 AAAGGAATGGGAGAGCTATGGATTTAGTCCAGTTCAAAACCAAAGTGGTGGTCACCATGGAACACT
 CCGCAAAGGGGAATGCGCATAAAATCATGGAGAAGTGTACACTACCACTGACAGGAAAGCAGTGCCTCAA
 CCGCATATTACAGAAAAGGGTGTGTTTGACGTGGACAAGAAAAACGGTTGACATTGATCGAGCTTTGG
 GAAGGCCTGACTGTTGATGACATCAGGAAGAGCACAGGCTGTGACTTTGCAGTTTACCAAACCTCATGC
 CAATGCAGCAGATCTCAACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001127580

Insert Size: 1563 bp

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_001127580.1](#), [NP_001121052.1](#)

RefSeq Size: 3334 bp

RefSeq ORF: 1563 bp

Locus ID: 690163

UniProt ID: [B2GV06](#)

Cytogenetics: 2q16

Gene Summary: Key enzyme for ketone body catabolism. Transfers the CoA moiety from succinate to acetoacetate. Formation of the enzyme-CoA intermediate proceeds via an unstable anhydride species formed between the carboxylate groups of the enzyme and substrate (By similarity). [UniProtKB/Swiss-Prot Function]