

Product datasheet for **MC209714**

Decr2 (NM_011933) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Decr2 (NM_011933) Mouse Untagged Clone
Tag: Tag Free
Symbol: Decr2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209714 representing NM_011933
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCAGCCGCCCGCCGACGTTGAGGGGATGACTGTCTTCCTGAATACCACCATCTCTCTGCCCGG
ATCTTCTCCAGGACAAAGTGGCCTTTATCACAGGTGGTGGTTCTGGGATTGGCTTCCGGATCGCAGAGAT
TTTCATGAGGCATGGCTGCCACACTGTCATCGTCGGCAGGAGTCTGCAGAAAGTGACCACGGCTGCTAAG
AAGTTGGTTGCTGCCACCGAAAAGCGGTGCCTCCCTCTGTCTATGGATGTCCGAGTTCCTCCAGAGGTCA
TGACTGCTGTGGATCAAGCGCTGCAAGAATTTGGCAAAATCAACATCCTCATTAACTGTGCAGCTGGAAA
CTTCTATGCCCTGCCAGTGCTTTGTCTTTCAATGCCTTTAAGACCGTGGTTGACATTGACACCATCGGT
ACCTTCAATGTGTCTAGTGTGCTTTACAAGAAGTCTTCCGGGACCATGGAGGAGTGATTGTGAACATTA
CTGCCACCCTCAGTATGAGGGGGCAGGTGCTACAGCTACATGCAGGCGCTGCCAAAGCAGCTGTGGATGC
TATGACGCGACACTTGGCTGTGGAATGGGGTCCCAGAATATCCGTGTCAACAGCCTGGCTCCTGGTGCC
ATCAGTGGCACTGAGGGTTTAAGGCGATTAAGAGGCTCCAATGCCAGTTCGAAATTAAGCATTCTTCAA
ATCCTATTCCAAGACTTGGGACCAAGACAGAGATCGCTCACAGCGTGCTGTACCTGGCCAGCCCTCTGGC
TTCTATGTCTCAGGTATCGTGCTGGTGGTTGATGGTGAAGCTGGATGACATCCCAATGGCATCAAG
CAACTGCTAGAGTTTGAATCCTTCTCTGCTAAGCTG**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_011933
Insert Size: 879 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:	<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_011933.2</u> , <u>NP_036063.1</u>
RefSeq Size:	2051 bp
RefSeq ORF:	879 bp
Locus ID:	26378
UniProt ID:	<u>Q9WV68</u>
Cytogenetics:	17 13.06 cM
Gene Summary:	Auxiliary enzyme of beta-oxidation. Participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. Has activity towards short and medium chain 2,4-dienoyl-CoAs, but also towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA, suggesting that it does not constitute a rate limiting step in the peroxisomal degradation of docosahexaenoic acid.[UniProtKB/Swiss-Prot Function]