

Product datasheet for **RR202960**

Decr2 (NM_171996) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Decr2 (NM_171996) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Decr2
Synonyms:	Dcrakl; putativeperoxisomal24-dienoyl-CoA reductase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202960 representing NM_171996 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCCAGCAGCCGCTGACGTTGAGGAGGATGACTGTCTTTCTGAATACCACCACCTCTTCTGCCCGG
ACCTTCTCCAGGACAAAGTGGCTTTTACTACTGGTGGTGGTCTGGGATTGGCTTCCGGATCGCCGAGAT
TTTCATGAGGCATGGCTGCCACACTGTCATCGTCAGCAGGAGTCTGCCGAGAGTGTCCGAGGCTGCTAAG
AAGTTGGTTGCTGCCACTGGAAAGCGGTGTCTCCCTCTGTCTATGGATGTCCGAGTTCACCCAGCTGCA
TGGCTGCTGTGGACCAAGCGCTGAAAGAATTTGGCAAAATCGACATCCTCATTAACTGTGCTGCAGGGAA
CTTTTTATGCCCTGCCAGTGCATTGTCTTTCAATGCCTTTAAGACTGTGGTGGACATTGACACCCTTGGC
ACCTTCAATGTGTCTCGTGTGCTTTATGAGAAGTCTTCCGGGACCATGGAGGAGTGATCGTGAACATTA
CCGCCACCCTCAGTATGCGGGGGCAGGTGCTGCAGCTCCATGCAGGCGCTGCCAAGGCGGCTGTGGATGC
TATGACGCGCACTTGGCTGTGGAGTGGGTCCCAGAATATCCGTGTCAACAGCCTGGCTCCTGGTGCC
ATCAGCGCACTGAGGGTCTGCGGAGATTAGGAGGCCCAAGGCCAGTTCGAAATTTAAGTATCTTTCAA
GTCCATTCCAAGACTCGAACCAAGACAGAAATCGCCACAGCGTGTGTACCTAGCCAGCCCTCTGGC
TTCCATGTCTCAGGGATTGTGTTGGTGGTGTGATGGTGGTACCTGGATGACGCTCCCAATGACATTGGG
CGACTGCTAGAGTTTGAATCCTCCTCTGCTAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202960 representing NM_171996
 Red=Cloning site Green=Tags(s)

MTQQPPDVEEDDCLSEYHHLFCPDLLQDKVAFITGGGSGIGFRIAEIFMRHGCHTVIVSRSLPRVSEAAK
 KLVAATGKRCLPLSMDVRVPPAVMAAVDQALKEFGKIDILINCAAGNFLCPASALSFNAFKTVVDIDTLG
 TFNVSRVLYEKFFRDHGGVIVNITATLSMRGQVLQLHAGA AKAAYDAMTRHLAVEWGPQNIRVNSLAPGA
 ISGTEGLRRLGGPKASSKFKYLSPIRPLGKTKEIAHSVLYLASPLASYVSGIVLVVDGGSWMTLPNDIG
 RLLEFESSAKL

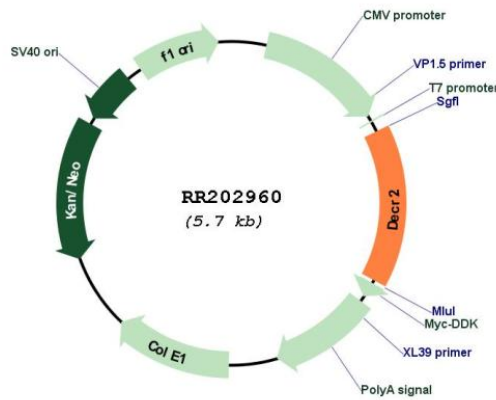
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_171996

ORF Size: 876 bp

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.
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_171996.3 , NP_741993.1
RefSeq Size:	1472 bp
RefSeq ORF:	879 bp
Locus ID:	64461
UniProt ID:	Q9Z2M4
Cytogenetics:	10q12
MW:	31.3 kDa
Gene Summary:	required for the degradation of unsaturated fatty acids [RGD, Feb 2006]