

Product datasheet for **MG219885**

Decr1 (NM_026172) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Decr1 (NM_026172) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Decr1
Synonyms:	1200012F07Rik; Decr; Nadph
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219885 representing NM_026172 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGCTGGGCCGTGCGTTCTTTGCTGGGGTGTCCCGCTCCCCTGCGATCCGGTCTCAGAGGT
TTTTAGCTTTGGAACAAAAACTGTATCAAAGCAAAGATGCTCCACAGTCTAAATTTCCAGCCCGT
TTAAAGCCTATGCTACCACCTGATGCTTTTCAAGGAAAAGTGGCTTTCATTACTGGAGGAGGGACTGGC
CTTGGCAAGGCAATGACAACTTTCTGTCTACCCTGGGTGCCAGTGTGTGATAGCCAGCAGAAATATTG
ATGTTTTGAAAGCGACTGCAGAAGAGATTTCTTCTAAAAGTGAACAAGTTTCATGCGATTCGGTGTGA
TGTTCCGATCCTGATATGGTACATAACACAGTCTGGAAGTGCAGGATCCGGATGTG
GTGATAAACAACGCGGCAGGGAACCTTCATTTCCCCAGTGAGAGACTGACTCCCAATGGCTGGAAGACCA
TAACTGACATAGTTCTCAATGGCACAGCCTATGTGACACTAGAAAATTGAAAGCAGCTAATTAAGCACA
GAAAGGAGCTGCGTTTCTTGCCATCACTACCATCTATGCTGAGAGTGGATCAGGCTTTGTAATGCCAAGT
TCTTCAGCCAAATCAGGCGTGAAGCCATGAATAAGTCACTTGCAGCTGAATGGGTAGATATGGAATGC
GTTTCAACATAATTCAGCCAGGACCTATCAAACCAAAGGAGCCTTTAGCCGTTTGGACCCGACTGGAAG
ATTTGAGAAGGAGATGATTGACAGAATCCCCTGTGGTCTGTTGGAACTATGGAGAACTTGCAAATCTG
GCCACTTTCCTATGCAGTGATTATGCCTCTGGATTAATGGAGCAGTCATTAGATTTGACGGTGGAGAGG
AAGTATTTCTGTGAGGTAATCACTCTCTAAAGAAGTCAACCAAGGAGGAGTGGGATATAATCGAAGG
GCTCATCAGGAAGACAAAAGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219885 representing NM_026172
 Red=Cloning site Green=Tags(s)

MALLGRAFFAGVSRLLPCDPGPQRFFSFGTKLYQSKDAPQSKFFQPVLKPMPLPPDAFQGKVAFITGGGTG
 LGKAMTFLSTLGAQCVIASRNIDVLKATAEEISSKTGNKVHAIKCDVRDPMVHNTVLELIKVAGHPDV
 VINNAAGNFISPSERLTPNGWKTITDIVLNGTAYVTLEIGKQLIKAQKGAFLAITTIYAESGSGFVMP
 SSAKSGVEAMNKSLAAEWGRYGMRFNIIQPGPIKTKGAFSRLDPTGRFEKEMIDRIPCGRGLTMEELANL
 ATFLCSDYASWINGAVIRFDGGEEVFLSGEFNSLKKVTKKEWDIIIEGLIRKTKGS

TRTRPLE - GFP Tag - V

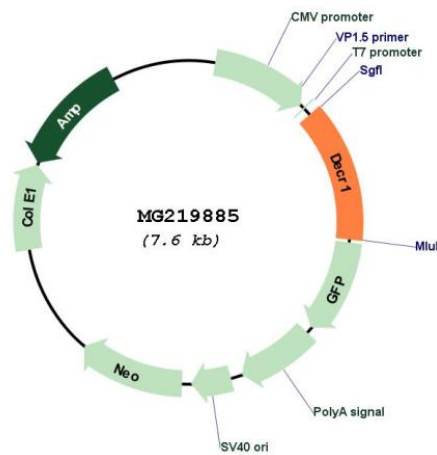
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_026172

ORF Size: 1005 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_026172.4
RefSeq Size:	3082 bp
RefSeq ORF:	1008 bp
Locus ID:	67460
UniProt ID:	Q9CQ62
Cytogenetics:	4 A2
Gene Summary:	Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA (By similarity). [UniProtKB/Swiss-Prot Function]