

Product datasheet for **RG211257**

DECR1 (NM_001359) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DECR1 (NM_001359) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DECR1
Synonyms:	DECR; NADPH; SDR18C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211257 representing NM_001359 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAAGCTACCGCCAGGGTTTTCTTTACTCTGGGGTCCCGGCTGCCCTGTGGCCTCGCTCCTCGGAGGT
 TTTTCAGTTATGGGACAAAAATATTATCAAAACACTGAAGCTTTGCAATCTAAATCTTTTCACCTCT
 TCAAAAAGCGATGCTACCACCTAATAGTTTTCAAGGAAAAGTGGCATTCACTACTGGGGGAGGTACTGGC
 CTTGGTAAAGGAATGACAACTCTTCTGTCCAGCCTAGGTGCTCAGTGCATGATGCCAGCCGGAAGATGG
 ATGTTTTGAAAGCTACCGCAGAACAAATTTCTTCTCAAACTGGAATAAGGTTTCATGCAATTCAGTGTGA
 TGTGAGGGATCCTGATATGGTTCAAAACACTGTGTGAGAACTGATCAAAAGTTGCAGGACATCCTAATATT
 GTGATAAACAAATGCAGCAGGGAATTTTATTTCTCCTACTGAAAGACTTTCTCCTAATGCTTGGAACCA
 TAACTGACATAGTTCTAAATGGCACAGCCTTCGTGACACTAGAAATTGGAACAACTAATTAAAGCACA
 GAAAGGAGCAGCATTTCTTTCTATTACTACTATCTATGCTGAGACTGGTTCAGGTTTTGTAGTACCAAGT
 GCTTCTGCCAAGCAGGTGTGGAAGCCATGAGCAAGTCTCTTGCAGCTGAATGGGTAATATGGAATGC
 GATTCAATGTGATTCAACCAGGGCCTATAAAACCAAAGTGCCCTTAGCCGTCTGGACCAACTGGAAC
 ATTTGAGAAAGAAATGATTGGCAGAAATCCCTGTGGTGCCTGGGACTGTAGAAGAACTCGCAAATCTT
 GCTGCTTTCCTTTGTAGTGATTATGCTTCTTGGATTAATGGAGCAGTCATTAAATTTGACGGTGGAGAGG
 AAGTACTTATTTAGGGGAATTCACGACCTGAGAAAGTCAACCAAGGAGCAGTGGGACACCATAGAAGA
 ACTCATCAGGAAGACAAAGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG211257 representing NM_001359
 Red=Cloning site Green=Tags(s)

MKLPARVFFTLGSRLPCGLAPRRFFSYGKILYQNTALQSKFFSPLQKAMLPNSFQGKVAFITGGGTG
 LGKGMTLLSSLGAQCVIASRKMDVLKATAEQISSQTGNKVHAIQCDVRDPMVQNTVSELIKVAGHPNI
 VINNAAGNFISPTERLSPNAWKITIDIVLNGTAFVTLEIGKQLIKAQKGAFLSITTIYAETGSGFVPS
 ASAKAGVEAMSKSLAAEWGKYGMRFNVIQPGPIKTKGAFSRLDPTGTFEKEMIGRIPCGR LGTVEELANL
 AAFLCSDYASWINGAVIKFDGGEEVLISGEFNDLRKVTKEQWDTIEELIRKTKGS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001359

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001359.2](#)

RefSeq Size: 1251 bp

RefSeq ORF: 1008 bp

Locus ID: 1666

UniProt ID: [Q16698](#)

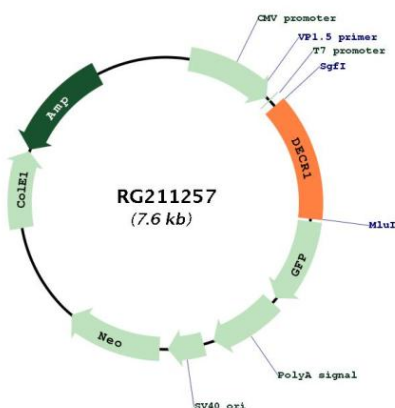
Cytogenetics: 8q21.3

Domains: adh_short

Protein Families: Druggable Genome

Gene Summary: This gene encodes an accessory enzyme which participates in the beta-oxidation and metabolism of unsaturated fatty enoyl-CoA esters. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211257