

Recombinant Human DECR1, His-tagged

Cat. No. DECR1-26259TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DECR1 with N terminal His tag; 322 amino acids with tag, MWt 34.4 kDa.
Species	Human
Source	E.coli
ProteinLength	301 amino acids
Description	This gene encodes an accessory enzyme which participates in the beta-oxidation and metabolism of unsaturated fatty enoyl-CoA esters.
Conjugation	HIS
Molecular Weight	34.400kDa inclusive of tags
Tissue specificity	Heart = liver = pancreas >kidney >>skeletal muscle = lung.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHHSSGLVPRGSHM NTEALQSKFFSPLQKAMLPPNSFQGKVAFITGGG
TGLGKGMTTLLSSLGAQCVIASRKMDVLKATAEQISSQTGNKVHAIQCDVRDPMV
QNTVSELIKVAGHPNIVINNAAGNFISPTERLSPNAWKTITDIVLNGTAFVTLEIGKQLI
KAQKGAAFLSITTIYAETGSGFVVPASAKAGVEAMSKSLAAEWGKYGMRFNVIQPG
PIKTKGAFSRLDPTGTFEKEMIGRIPCGRLGTVEELANLAAFLCSDYASWINGAVIKF
DGGEEVLISGEFNDLRKVTKEQWDTIEELIRKTKGS

Sequence Similarities

Belongs to the short-chain dehydrogenases/reductases (SDR) family. 2,4-dienoyl-CoA reductase subfamily.

GENE INFORMATION

Gene Name

DEC1 2,4-dienoyl CoA reductase 1, mitochondrial [Homo sapiens]

Official Symbol

DEC1

Synonyms

DEC1; 2,4-dienoyl CoA reductase 1, mitochondrial; DEC1; 2,4-dienoyl-CoA reductase, mitochondrial; SDR18C1; short chain dehydrogenase/reductase family 18C; member 1;

Gene ID

1666

mRNA Refseq

NM_001359

Protein Refseq

NP_001350

Uniprot ID

Q16698

Chromosome

8q21.3

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Location	
Pathway	Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Mitochondrial Fatty Acid Beta-Oxidation, organism-specific biosystem;
Function	2,4-dienoyl-CoA reductase (NADPH) activity; 2,4-dienoyl-CoA reductase (NADPH) activity; NADPH binding; nucleotide binding; oxidoreductase activity, acting on NADH or NADPH;

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