

Recombinant Human DECR2, His-tagged

Cat. No. DECR2-27085TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DECR2 with N terminal His tag; 315 amino acids with tag, Predicted MWt 33.2 kDa.
Species	Human
Source	E.coli
ProteinLength	292 amino acids
Description	Peroxisomal 2,4-dienoyl-CoA reductase is an enzyme that in humans is encoded by the DECR2 gene.
Conjugation	HIS
Molecular Weight	33.200kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 40% Glycerol, 0.88% Sodium chloride, 0.02% DTT
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MGSSHHHHHSSGLVPRGSHMGSMAPPPDVEGDDCLPAY RHLFCPDLLRDKVA
 FITGGGSGIGFRIAEIFMRHGCHTVI ASRSLPRVLTAARKLAGATGRRCLPLSMDVRA
 PPAVMAAV DQALKEFGRIDILINCAAGNFLCPAGALSFNAFKTVMDID TSGTFNVSR
 VLYEKFFRDHGGVIVNITATLGNRGQALQVH AGSAKAAVDAMTRHLAVEWGPQNIR
 VNSLAPGPISGTEGL RRLGGPQASLSTKVTASPLQRLGNKTEIAHSVLYLASPLA SY
 VTGAVLVADGGAWLTFPNGVKGLPDFASFSAKL

Sequence Similarities

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

GENE INFORMATION

Gene Name [DECR2 2,4-dienoyl CoA reductase 2, peroxisomal \[Homo sapiens \]](#)

Official Symbol [DECR2](#)

Synonyms DECR2; 2,4-dienoyl CoA reductase 2, peroxisomal; peroxisomal 2,4-dienoyl-CoA reductase; PDCR; SDR17C1; short chain dehydrogenase/reductase family 17C; member 1;

Gene ID [26063](#)

mRNA Refseq [NM_020664](#)

Protein Refseq [NP_065715](#)

Uniprot ID [Q9NUI1](#)

Chromosome Location 16p13.3

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Pathway	Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; fatty acid beta-oxidation IV (unsaturated, even number), organism-specific biosystem;
Function	2,4-dienoyl-CoA reductase (NADPH) activity; nucleotide binding; oxidoreductase activity;

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