

Recombinant Human PECR, His-tagged

Cat. No. PECR-29165TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PECR with N terminal His tag; 327 amino acids with tag, Predicted MWt 35.1 kDa.
Species	Human
Source	E.coli
ProteinLength	303 amino acids
Description	Peroxisomal trans-2-enoyl-CoA reductase is an enzyme that in humans is encoded by the PECR gene.
Conjugation	HIS
Molecular Weight	35.100kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.03% DTT, 0.88% Sodium chloride, 10% Glycerol
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

MGSSHHHHHSSGLVPRGSHMGSHMASWAKGRSYLAPGLL QGQVAIVTGGATGI
 GKAIVKELLELGSNVVIASRKLERLK SAADELQANLPPTKQARVIPIQCNIIRNEEEVN
 NLVKSTLD TFGKINFLVNNGGGQFLSPAETHISSKGWHAVLETNLTGTF YMCKAVYS
 SWMKEHGGIVNIIVPTKAGFPLAVHSGAARA GVYNLTKSLALEWACSGIRINCVAP
 GVIYSQTAVENYGSW GQSFFEGSFQKIPAKRIGVPEEVSSVVCFLLSAASFITG QS
 VDVDGGRSLYTHSYEVPDHDNWPKGAGDLSVVKMKET FKEKAKL

Sequence Similarities

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

GENE INFORMATION

Gene Name [PECR peroxisomal trans-2-enoyl-CoA reductase \[Homo sapiens \]](#)

Official Symbol [PECR](#)

Synonyms [PECR](#); peroxisomal trans-2-enoyl-CoA reductase; HSA250303; SDR29C1; short chain dehydrogenase/reductase family 29C; member 1; TERP;

Gene ID [55825](#)

mRNA Refseq [NM_018441](#)

Protein Refseq [NP_060911](#)

MIM [605843](#)

Uniprot ID [Q9BY49](#)

Chromosome Location 2q35

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Pathway

Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Mitochondrial LC-Fatty Acid Beta-Oxidation, organism-specific biosystem; Peroxisome, organism-specific biosystem;

Function

nucleotide binding; oxidoreductase activity; trans-2-enoyl-CoA reductase (NADPH) activity;

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