

# Recombinant Human Peroxisomal Erans-2-Enoyl-CoA Reductase, His-tagged

Cat. No. PECR-2493H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human PECR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 35.1 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-303aa
<b>Description</b>	Peroxisomal trans-2-enoyl-CoA reductase, also known as PECR, the key enzyme for a proposed peroxisomal chain elongation pathway. This proein was mainly expressed in liver and kidney.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.15M NaCl.
<b>Molecular Mass</b>	35.1 kDa (327aa), confirmed by MALDI-TOF.
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSHMASWAK GRSYLAPGLL QGQVAIVTGG ATGIGKAIK ELLELGSNVV IASRKLERLK SAADELQANL PPTKQARVIP IQCNIRNEEE VNNLVKSTLD TFGKINFLVN NGGGQFLSPA EHISSKGWHA VLETNLTGTF YMCKAVYSSW MKEHGGIVN IIVPTKAGFP LAVHSGAARA GVYNLTKSLA LEWACSGIRI NCVAPGVIYS QTAVENYGSW GQSFFEGSFQ KIPAKRIGVP EEVSSVVCFL LSPAASFITG QSVDVDGGRS LYTHSYEVPD

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HDNWPKGAGD LSVVKKMKET FKEKAKL

**Purity** >95% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford)

## 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; DCR-RP; pVI-ARL; 2,4-dienoyl-CoA reductase-related protein; putative short chain alcohol dehydrogenase; short chain dehydrogenase/reductase family 29C, member 1; DCRRP; PVIARL; HPDHASE;

**Gene ID** [55825](#)

**mRNA Refseq** [NM\\_018441](#)

**Protein Refseq** [NP\\_060911](#)

**MIM** [605843](#)

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<b>UniProt ID</b>	Q9BY49
<b>Chromosome Location</b>	2q35
<b>Pathway</b>	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; Peroxisome, conserved biosystem;
<b>Function</b>	nucleotide binding; oxidoreductase activity; trans-2-enoyl-CoA reductase (NADPH) activity;

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