

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-303aa
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.15M NaCl.
Molecular Mass	35.1 kDa (327aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSWMASWAK GRSYLAPGLL QGQVAIVTGG ATGIGKAIVK ELLELGSNVV IASRKLERLK SAADELQANL PPTKQARVIP IQCNIRNEEE VNNLVKSTLD TFGKINFLVN NGGGQFLSPA EHISSKGWHA VLETNLTGTF YMCKAVYSSW MKEHGGIVN IIVPTKAGFP LAVHSGAARA GVYNLTSLA LEWACSGIRI NCVAPGVIYS QTAVENYGSW GQSFFEGSFQ KIPAKRIGVP EEVSSVVCFL LSPAASFITG QSVDVDGGRS LYTHSYEVPD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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