
Product Data Sheet

Product Name: PECl Human
 Cat. No.: GP22067
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 5.3.3.8; ACBD2; DRS1; HCA88; PECl; Peroxisomal 3;2-trans-enoyl-CoA isomerase; Dodecenoyl-CoA isomerase; Delta(3);delta(2)-enoyl-CoA isomerase; D3;D2-enoyl-CoA isomerase; Diazepam-binding inhibitor-related protein 1; DBI-related protein 1; DRS-1; Hepatocellular carcinoma-associated antigen 88; Renal carcinoma antigen NY-REN-1; KIAA0536; dj1013A10.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MNRTAMRASQ KDFENSMNQV KLLKKDPGNE VKLKLYALYK QATEGPCNMP KPGVFDLINK AKWDAWNALG SLPKEAARQN YVDLVSSLSLSP SLESSSQVEP GTDRKSTGFE TLVVTSEDGI TKIMFNRPKK KNAINTEMYH EIMRALKAAAS KDDSIITVLT GNGDYSSGN DLTNFTDIPP GGVEEKAKNN AVLLREFVGC FIDFPKPLIA VVNGPAVGIS VTLGLFDVAV YASDRATFHT PFSHLGQSPE GCSYTFPKI MSPAKATEML IFGKKLTAGE ACAQGLVTEV FPDSTFQKEV WTRLKAFKAKL PPNALRISKE VIRKREREKL HAVNAEECNV LQGRWLSDEC TNAVVNFLSR KSKL.		
Formulation	PECl Human solution containing 20mM Tris pH-8, & 10% glycerol.		

Introduction

PECl is an enzyme that localized to the peroxisomal matrix and encloses one ACB (acyl-CoA-binding) domain. PECl is expressed abundantly in liver, heart and skeletal muscle. PECl functions to catalyze the isomerization of both 3-cis and 3-trans double bonds into the 2-trans form in an array of enoyl-CoA species. PECl takes part in the beta-oxidation of unsaturated fatty acids.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PECI Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 384 amino acids (1-364 a.a.) and having a molecular mass of 42.3 kDa. The PECI is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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