

PECI Human

Description: 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 PECl is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: ENPS-538

For research use only.

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, Hepato

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MNRTAMRASQ KDFENSMNQV
KLLKKDPGNE VKLKLYALYK QATEGPCNMP KPGVFDLINK AKWDAWNALG SLPKEAARQN
YVDLVSSLSP SLESSSQVEP GTDRKSTGFE TLVVTSEDGI TKIMFNRPKK KNAINTEMYH
EIMRALKAAS KDDSIITVLT GNGDYSSGN DLTNFTDIPP GGVEEKAKNN AVLLREFVGC
FIDFPKPLIA VV

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

PECI Human solution containing 20mM Tris pH-8, & 10% glycerol.

Stability:

PECI Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

PECI 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.

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