

## 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 PECI 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, PECI, 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:** MGSSHHHHHH SSGLVPRGSH MNRTAMRASQ KDFENSMNQV  
KLLKKDPGNE VKLKLYALYK QATEGPCNMP KPGVFDLINK AKWDAWNALG SLPKEAARQN  
YVDLVSSLSP SLESSSQVEP GTDRKSTGFE TLVVTSEDGI TKIMFNRPKK KNAINTEMYH  
EIMRALKAAAS 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. PECI is expressed abundantly in liver, heart and skeletal muscle. PECI 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. PECI takes part in the beta-oxidation of unsaturated fatty acids.

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