

**PECI, 1-364aa, Human, His tag, E.coli**

**Cat.NO.: TP03344**

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3th Edition

**Synonyms:** Peroxisomal 3,2-trans-enoyl-CoA isomerase, ACBD2, DRS1, HCA88.

**Description:** PECI, also referred to as DRS1, ACBD2 or HCA88, is a protein that localizes to the peroxisomal matrix and contains one ACB (acyl-CoA-binding) domain. This protein is expressed abundantly in liver, heart and skeletal muscle. It functions to catalyze the isomerization of both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species, playing an important role in the  $\beta$ -oxidation of unsaturated fatty acids.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

**Molecular Weight:** 42.3 kDa (384aa) confirmed by MALDI-TOF

**Sequences:**

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MGSSHHHHHSSGLVPRGSHMNRTAMRASQKDFENSMNQVKLLKKDPGNEVKLKLYALYKQATEGPCNMPKPG
VFDLINKAKWDAWNALGSLPKEAARQNYVDLVSSLSPSLESSSQVEPGTDRKSTGFETLVVTSEDGITKIMFNRPKK
KNAINTEMYHEIMRALKAASKDDSIITVLTGNGDYSSGNDLTNFTDIPPGGVEEKAKNNAVLLREFVGCIFDFPKPLI
AVVNGPAVGISVTLLGLFDVYASDRATFHPTFSLHGGSSQVEGKIMSPAKATEMLIFGKKLTAAGEACAQGL
VTEVFPDSTFQKEVWTRLKAFKLPNALRISKEVIRKREREKLVAVNAEECNVLQGRWLSDECTNAVVNFLSRKS
KL
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**Purity:** > 95% by HPLC

**Concentration:** 1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**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.