

Product datasheet for **AR09542PU-N**

PECI (1-364, His-tag) Human Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | PECI (1-364, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MNRTAMRASQ KDFENSMNQV KLLKKDPGNE VKLKLYALYK QATEGPCNMP KPGVFDLINK AKWDARNALG SLPKEAARQN YVDLVSSLSP SLESSSQVEP GTDRKSTGFE TLVVTSEDGI TKIMFNRPKK KNAINTEMYH EIMRALKAAAS KDDSIITVLT GNGDYSSGN DLTNFTDIPP GGVEEKAKNN AVLLREFVGC FIDFPKPLIA VVNGPAVGIS VTLLGLFDAV YASDRATFHT PFSHLGQSPE GCSSYTFPKI MSPAKATEML IFGKKLTAGE ACAQGLVTEV FPDSTFQKEV WTRLKAKAKL PPNALRISKE VIRKREKREKL HAVNAEECNV LQGRWLSDEC TNAWNFLSR KSKL |
| Tag: | His-tag |
| Predicted MW: | 42.3 kDa |
| Concentration: | lot specific |
| Purity: | >95% by SDS - PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human PECI protein, fused to his-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP_001159482</u> |
| Locus ID: | 10455 |
| UniProt ID: | <u>O75521</u> , <u>A0A0C4DGA2</u> |
| Cytogenetics: | 6p25.2 |



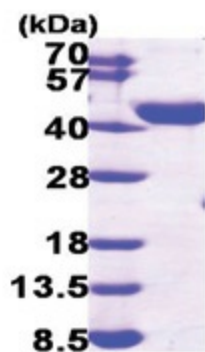
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Synonyms: ACBD2; dj1013A10.3; DRS-1; DRS1; HCA88; PECI

Summary: This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2011]

Protein Pathways: Fatty acid metabolism

Product images:



15% SDS-PAGE (3ug)