

## Product datasheet for **AR51265PU-S**

### DCI (42-302, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	DCI (42-302, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSFGSQRVL VEPDAGAGVA VMKFKNPPVN SLSLEFLTEL VISLEKLEND KSFVRGILTS DRPGVFSAGL DLTEMCGRSP AHYAGYWKAV QELWLRLYQS NLVLVSAING ACPAGGCLVA LTCDYRILAD NPRYCIGLNE TQLGHIAPFW LKDTLENTIG HRAAERALQL GLLFPPAEAL QVGIVDQVVP EEQVQSTALS AIAQWMAIPD HARQLTKAMM RKATASRLVT QRDADVQNFV SFISKDSIQK SLQMYLERLK EEKG
Tag:	His-tag
Predicted MW:	31.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human EC11 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 one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001171500</a>
Locus ID:	1632
UniProt ID:	<a href="#">P42126</a>
Cytogenetics:	16p13.3
Synonyms:	DCI



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**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, May 2010]

**Protein Pathways:**

Fatty acid metabolism

**Product images:**