

## Product datasheet for **AR39004PU-L**

### PPCS (1-311, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PPCS (1-311, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u><a href="#">MGSSHHHHHH SGLVPRGSH</a></u> MAEMDPVAEF PQPPGAARWA EVMARFAARL GAQGRRVLV TSGGTKVPLE ARPVRFLDNF SSGRRGATSA EAFLAAGYGV LFLYRARSFAF PYAHRFPQT WLSALRPSGP ALSGLLSLEA EENALPGFAE ALRSYQEAAA AGTFLAVEFT TLADYLHLLQ AAAQALNPLG PSAMFYLAAA VSDFYVPVSE MPEHKIQSSG GPLQITMKMV PKLLSPLVKD WAPKAFIISF KLETDPAIVI NRARKALEIY QHQVVANIL ESRQSFVIV TKDSEKLLL SEEEIEKGVE IEEKIVDNLQ SRHTAFIGDR N
Tag:	His-tag
Predicted MW:	36.1 kDa
Concentration:	lot specific
Purity:	>95%
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 PPCS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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><a href="#">NP_001070915</a></u>
Locus ID:	79717
UniProt ID:	<u><a href="#">Q9HAB8</a></u>
Cytogenetics:	1p34.2
Synonyms:	CMD2C



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**Summary:**

Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCS (EC 6.3.2.5), one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothencysteine (Daugherty et al., 2002 [PubMed 11923312]).[supplied by OMIM, Mar 2008]

**Protein Pathways:**

Metabolic pathways, Pantothenate and CoA biosynthesis

**Product images:**