

PPCS recombinant protein

PPCS, 1-311aa, Human, His tag, E Coli

CATALOG # AAA48698	HOST E Coli	APPLICATIONS SDS-Page
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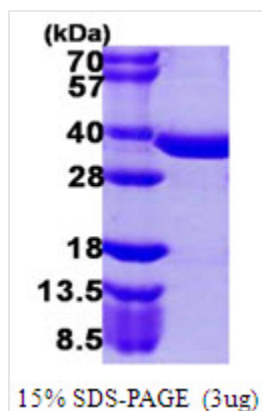
PRODUCT SYNONYMS

PPCS; 1-311aa; Human; His tag; E Coli; Phosphopantothenate--cysteine ligase; COAB; PPC synthetase; PPCS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MAEMDPVAEF QPPGAARWA EVMARFAARL GAQGRRVVLV TSGGTKVPLE ARPVRFLDNF SSGRRGATSA EAFLAAGYGV LFLYRARSF PYAHRFPPT WLSALRPSGP ALSGLLSLEA EENALPGFAE ALRSYQEAAGTFLAVEFT TLADYLHLLQ AAAQALNPLG PSAMFYLAAG VSDFYVPVSE MPEHKIQSSG GPLQITMKMV PKLLSPLVKD WAPKAFIISF KLETDPALVI NRARKALEIY QHQVVVANIL ESRQSFVFIV TKDSETKLLL SEEEIEKGVE IEEKIVDNLQ SRHTAFIGDR N
Sequence Length	311
Applicable Applications for PPCS recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PPCS recombinant protein	PPCS, also known as phosphopantothenate--cysteine ligase, catalyzes the first step in the biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5), which is an essential universal pathway in prokaryotes and eukaryotes. PPCS, one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothenoylcysteine. Recombinant human PPCS protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for PPCS recombinant protein	Enzymes & Proteases
References	Manoj N. et al. (2003) Structure. 11 : 927-936.; Christina Spry. et al. (2009) J Biol Chem. 284: 24904-24913.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116875844
NCBI GeneID	79717
NCBI Accession #	NP_078940
NCBI GenBank Nucleotide #	NM_024664.3
UniProt Accession #	Q9HAB8; Q3KQT2; Q5VVM0
Molecular Weight	36.1 kDa (331aa) confirmed by MALDI-TOF
NCBI Official Full Name	phosphopantothenate--cysteine ligase isoform a
NCBI Official Synonym Full Names	phosphopantothenoylcysteine synthetase
NCBI Official Symbol	PPCS
NCBI Protein Information	phosphopantothenate--cysteine ligase
UniProt Protein Name	Phosphopantothenate--cysteine ligase
UniProt Gene Name	PPCS
UniProt Synonym Gene Names	COAB; PPC synthetase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ppcs-recombinant-protein-e-coli-sds-page/48698>