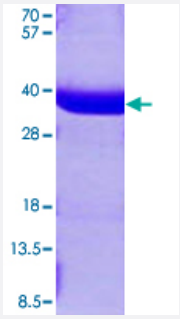
Full-Length

PPCS (Human) Recombinant Protein

Catalog # P3439 Size 100 ug

Applications



Specification

Product Description	Human PPCS (NP_078940, 1 a.a. - 331 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMAEMDPVAEFPQPPGAARWAEVMARFAARLGAQGRRVVLVT SGGTKVPLEARPVRFLDNFSSGRRGATSAEAFLAAGYGVLFLYRARSAFPYAHRFPPQTWLSAL RPSGPALSGLLSLEAEENALPGFAEALRSYQEAAAAGTFLAVEFTTLADYLHLLQAAAQALNPLG PSAMFYLAAAVSDFYVPVSEMPEHKIQSSGGPLQITMKMVPKLLSPLVKDWAPKAFIISFKLETDP AIVINRARKALEIYQHQVVVANILESRQSFVFIVTKDSETKLLLSEEEIEKGVEIEEKIVDNLQSRHTAF IGDRN
Host	Escherichia coli
Theoretical MW (kDa)	36.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE

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Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — PPCS

Entrez GeneID	79717
Protein Accession#	NP_078940
Gene Name	PPCS
Gene Alias	FLJ11838, MGC117357, MGC138220
Gene Description	phosphopantothenoylcysteine synthetase
Omim ID	609853
Gene Ontology	Hyperlink
Gene 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 phosphopantothenoylcysteine (Daugherty et al., 2002 [PubMed 11923312]).[supplied by OMIM
Other Designations	OTTHUMP00000008431|OTTHUMP00000008433

Pathway

- Metabolic pathways
- Pantothenate and CoA biosynthesis

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