

Full-Length

PPCS (Human) Recombinant Protein (P01)

Catalog # H00079717-P01

Size 50 ug

Specification

Product Description	Human PPCS full-length ORF (BAB13931.1, 1 a.a. - 284 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAEMDPVAEFPQPPGAARWAEVMARFAARLGAQGRRVVLVTSGGTKVPLEARPVRFLDNFSS GRRGATSAEAFLAAGYGVLFYLRARSAPFYAHRFPPTWLSALRPSGPALSGLLSLEAEENALP GFAEALRSYQEAAAAGTFLAVEFTTLADYLHLLQAAAQALNPLGPSAMFYLAAVSDFYVPVSEM PEHKIQSSGGPLQITMKMVPKLLSPLVKDWAPKAFIISFKLETDPAMINRARKALEYQHQQVVVANIL ESRQSFVFMTKDSETKLLLSRKK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	57.3
Interspecies Antigen Sequence	Mouse (88); Rat (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

- Protein Array

Gene Info — PPCS

Entrez GeneID	79717
GeneBank Accession#	AK021900.1
Protein Accession#	BAB13931.1
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](#)