

Pantothenate Kinase Protein (Recombinant)

Catalogue No.: abx076001

Pantothenate Kinase Protein (Recombinant) is a protein kinase. COAA is a member of the prokaryotic pantothenate kinase family and it is the first enzyme in the Coenzyme A biosynthetic pathway. COAA phosphorylates pantothenate (vitamin B5) to form 4'-phosphopantothenate. The key factor controlling the intracellular CoA concentration is the regulation of COAA activity by feedback inhibition.

Target:	COAA
Origin:	E. coli
Host:	E. coli
Purity:	> 95% (SDS-PAGE)
Form:	Liquid
Storage:	Store at 4 °C if entire vial will be used within 2-4 weeks. Store at -20 °C for long-term storage. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.
Sequence Fragment:	1-316 AA
Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGS H MSIKEQ TLMPYLQFD RNQWAALRDS VPMTLSEDEI ARLKGINEDL SLEEVAEIYL PLSRLNFIYI SSNLRRQAVL EQFLGTNGQR IPYIISIAGS VAVGKSTTAR VLQALLSRWP EHRRVELITT DGFLHPNQVL KERGLMKKKG FPESYDMHRL VKFVSDLKSG VPNVTPPVYS HLIYDVIPDG DKTVVQPDIL ILEGLNVLQS GMDYPHDPHH VVVSDFVDFS IYVDAPEDLL QTWYINRFLK FREGAFTDPD SYFHNYAKLT KEEAIKTAMT LWKEINWNLN KQNILPTRER ASLILTKSAN HAVEEVRLRK.
Tag:	N-terminal His-tag.
Concentration:	1 mg/ml
Buffer:	20 mM Tris-HCl (pH 8.0), 200 mM NaCl, 2 mM DTT and 10% glycerol.
Note:	This product is for research use only.