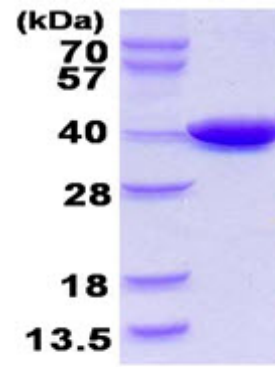


AR50220PU-N**coaA (1-316, His-tag) - Purified**

Alternate names:	panK, pantothenate kinase, rts, ts-9
Quantity:	0.5 mg
Concentration:	1mg/ml (determined by Bradford assay)
Background:	coaA (pantothenate kinase) belongs to the prokaryotic pantothenate kinase family. Pantothenate kinase (PanK; CoaA) is the first enzyme in the Coenzyme A biosynthetic pathway. It phosphorylates pantothenate (vitamin B5) to form 4'-phosphopantothenate. Regulation of pantothenate kinase activity by feedback inhibition is the critical factor controlling the intracellular CoA concentration.
Uniprot ID:	P0A6I3
NCBI:	NP_418405.1
GeneID:	948479
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 200mM NaCl
Description:	Recombinant E.coli coaA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SGLVPRGSH MGSMSIKEQ TLMTPYLQFD RNQWAALRDS VPMTLSEDEI ARLKGINEDL SLEEVAEIYL PLSRLLNFYI SSNLRRQAVL EQFLGTNGQR IPYIISIAGS VAVGKSTTAR VLQALLSRWP EHRRVELITT DGFLHPNQVL KERGLMKKKG FPESYDMHRL VKFVSDLKSG VPNVTAPVYS HLIYDVIPDG DKTVVQPDIL ILEGLNVLQS GMDYPHPH VVFVDFVDFS IYVDAPEDLL QTWYINRFLK FREGAFTDPD SYFHNYAKLT KEEAIKTAMT LWKEINWLNL KQNILPTRER ASLILTKSAN HAVEEVRLRK Molecular weight: 38.9 kDa (340aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Song W.-J., et al. (1992) J.Bacteriol. 174:6411-6417 Song W.-J., et al. (1992) J.Bacteriol. 174:1705-1706

Pictures:



15% SDS-PAGE (3ug)