

## Product datasheet for **AR50220PU-N**

### coaA (1-316, His-tag) Escherichia coli Protein

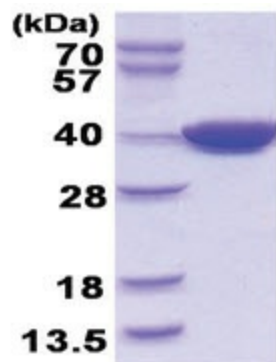
#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	coaA (1-316, His-tag) recombinant protein, 0.5 mg
<b>Species:</b>	Escherichia coli
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMSIKEQ TLMTPYLQFD RNQWAALRDS VPMTLSEDEI ARLKGINEDL SLEEVAEIYL PLSRLNFIYI SSNLRRQAVL EQFLGTNGQR IPYIISIAGS VAVGKSTTAR VLQALLSRWP EHRRVELITT DGFLHPNQVL KERGLMKKKG FPESYDMHRL VKFVSDLKSG VPNVTAPVYS HLIYDVIPDG DKTVVQPDIL ILEGLNVLQS GMDYPHDPHH VVVSDFVDFS IYVDAPEDLL QTWYINRFLK FREGAFTDPD SYFHNYAKLT KEEAIKTAMT LWKEINWLNL KQNILPTRER ASLILTKSAN HAVEEVRLRK
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	38.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 10% glycerol, 200 mM NaCl
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant E.coli coaA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Summary:</b>	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.



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## Product images:



15% SDS-PAGE (3ug)