

32-2990: COAA Recombinant Protein

Alternative Name : PanK,ts-9,rts.

Description

Source : E.coli. COAA E.Coli Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 340 amino acids (1-316) and having a molecular mass of 38.9kDa. COAA is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The COAA solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMSIKEQ TLMPYLQFD RNQWAALRDS VPMTLSEDEI ARLKGINEDL SLEEVAEIYL PLSRLLNFYI SSNLRRQAVL EQFLGTNGQR IPYIISIAGS VAVGKSTTAR VLQALLSRWP EHRRVELITT DGFLHPNQVL KERGLMKKKG FPESYDMHRL VKFVSDLKSG VPNTAPVYS HLIYDVIPDG DKTVVQPDIL ILEGLNVLQS GMDYPHDPHH VFVSDFVDFS IYVDAPEDLL QTWYINRFLK FREGAFTDPD SYFHNYAKLT KEEAIKTAMT LWKEINWLNL KQNILPTRER ASLILTKSAN HAVEEVRLRK.

