

ackA, 1-400aa, E.coli, His tag, E.coli

Cat.NO.: TP01036

3th Edition

Synonyms:Acetate kinase A and propionate kinase 2, ECK2290, JW2293

Description:ackA catalyzes the formation of acetyl phosphate from acetate and ATP. This protein can also catalyze the reverse reaction. During anaerobic growth of the organism, this enzyme is also involved in the synthesis of most of the ATP formed catabolically. Recombinant E.coli ackA protein, fused to His-tag at N-terminus, was expressed in E.coli

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:45.7kDa (423aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMSSKLVVLNCGSSSLKFAIIDAVNGEEYLSGLAECFHLPEARIKWKMDGNK
QEAALGAGAAHSEALNFIVNTILAQKPELSAQLTAIGHRIVHGGEKYTSSVVIDESVIQGIKDAASFAPLHNPAGHLIGIE
EALKSFPQLKDKNAVFDATAFHQTMPEESYLYALPYNLYKEHGIRRYGAHGTSHFYVTQEAAKMLNKPVEELNIITC
HLGNNGGSVS AIRNGKCVDTSMGLTPLEGLVMGTRSGDIDPAIIFHLHDTLGMSVD AINKLLTKESGLLGLTEVTSDC
RYVEDNYATKEDAKRAMDVYCHRLAKYIGAYTALMDGRLDAVVFTGGIGENAAMVRELSLGKLGVLGFVVDHERN
LAARFGKSGFINKEGTRPAVVIPTNEELVIAQDASRLTA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.