

Product information

ackA, 1-400aa

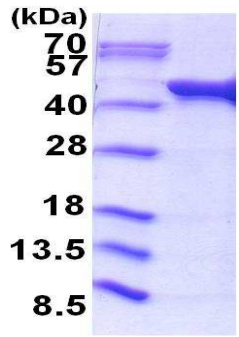
E.coli, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2844

Full name: Acetate kinase A and propionate kinase 2

NCBI Accession No.: NP_416799

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*.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT</p> <p>Molecular Weight: 45.7kDa (423aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <pre> MGSSHHHHH SSGLVPRGSH MGSMSKLVL VLNGSSSLK FAI IDAVNGE EYLSGLAECF HLPEARIKWK MDGNKQEAAL GAGAAHSEAL NFIVNTILAQ KPELSAQLTA IGHRIVHGGE KYTSSVVIDE SVIQGIKDAA SFAPLHNPAAH LIGIEEALKS FPQLKDKNVA VFDTAFHQTM PEESYLYALP YNLYKEHGIR RYGAHGTSHF YVTQEAAMKML NKPVEELNII TCHLNGGGSV SAIRNGKCVDT TSMGLTPLEG LVMGTRSGDI DPAIIFHLHD TLGMSVDAIN KLLTKESGLL GLTEVTSDCR YVEDNYATKE DAKRAMDVYC HRLAKYIGAY TALMDGRLDA VVFTGGIGEN AAMVRELSLG KLGVLGFEVD HERNLAARFG KSGFINKEGT RPAVVIPTNE ELVIAQDASR LTA </pre>	

General references:

Blattner, F.R., *et al.* (1997) *Science* 277 (5331), 1453-1462.

Riley, M., *et al.* (2006) *Nucleic Acids Res.* 34 (1), 1-9.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.