

32-2934: ACKA Recombinant Protein

Alternative Name : Acetate kinase, Acetokinase, ackA, ack, ACKA, Acetate kinase A and propionate kinase 2.

Description

Source : Escherichia Coli. Recombinant ACKA produced in E.coli is a single, non-glycosylated polypeptide chain containing 423 amino acids (1-400) and having a molecular mass of 45.7 kDa. The ACKA is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. E.Coli Acetate Kinase, also known as ACKA, catalyzes the formation of acetyl phosphate from acetate and ATP and also catalyzes the reverse reaction. ACKA takes part in synthesis of various ATP formed catabolically during anaerobic growth of the organism.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	ACKA protein (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.
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 :	MGSSHHHHH SGLVPRGSH MGSMSKLV VLNCGSSSLK FAIDAVNGE EYLSGLAECF HLPEARIKWK MDGNKQEAAL GAGAAHSEAL NFIVNTILAQ KPQLSAQLTA IGHRIVHGGE KYTSSVVIDE SVIQGIKDA SFAPLHNPALH LIGIEEALKS FPQLKDKNVA VFDTAFHQTM PEESYLYALP YNLYKEHGIR RYGAHGTSHF YVTQEAAMML NKPVEELNII TCHLGNGGSSV SAIRNGKVD TSMGLTPLEG LVMGTRSGDI DPAIIFHLHD TLGMSVDAIN KLLTKESGLL GLTEVTSDCR YVEDNYATKE DAKRAMDVYC HRLAKYIGAY TALMDGRLDA VVFTGGIGEN AAMVRELSLG KLGVLGFEVD HERNLAARFG KSGFINKEGT RPAVVIPTNE ELVIAQDASR LTA.

