

Acetate Kinase E.Coli Recombinant

Item Number	rAP-1695
Synonyms	Acetate kinase, Acetokinase, ackA, ack, ACKA, Acetate kinase A and propionate kinase 2.
Description	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.
Uniprot Accession Number	P0A6A3
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSKLVL VLNCGSSSLK FAIDAVNGE EYLSGLAECF HLPEARI-KWK MDGNKQEAAL GAGAAHSEAL NFIVNTILAQ KPQLSAQLTA IGHRIVHGGE KYTSSVVIDE SVIQGIKDAA SFAPLHNPAAH LIGIEEALKS FPQLKDKNVA VFDTAFHQTM PEESYLYALP YNLYKEHGIR RYGAHGTSHF YVTQEAAKML NKPVEELNII TCHLGNNGSV SAIRNGKCVD TSMGLTPLEG LVMGTRSGDI DPAIIFHLHD TLGMSVDAIN KLLTKESGLL GLTEVTSDCR YVEDNYATKE DAKRAMDVYC HRLAKYIGAY TALMDGRLDA VVFTGGIGEN AAMVRELSLG KLGVLGFEVD HERNLAARFG KSG-FINKEGT RPAVVIPTNE ELVIAQDASR LTA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	ACKA protein (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**