

Pyruvate Kinase I E.Coli Recombinant

Item Number	rAP-1674
Synonyms	Pyruvate kinase I, PK-1, pykF, b1676, JW1666.
Description	pykF E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 494 amino acids (1-470 a.a) and having a molecular mass of 53.3kDa.pykF is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P0AD61
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMKKTKI VCTIGPKTES EEMLAKMLDA GMNVMRLNFS HGDYAEHGQR IQNLRNVMSK TGKTAAILLD TKGPEIRTMK LEGGNDVSLK AGQTFFTTDD KSVIGNSEMV AVTYEGFTTD LSVGNTVLVD DGLIGMEVTA IEGNKVICKV LNNGDLGENK GVNLPGVSIA LPALAEKDKQ DLI FGCEQGV DFVAASFIRK RSDVIEIREH LKAHGGENIH IISKIENQEG LNNFDEILEA SDGIMVARGD LGVEIPVEEV IFAQKMMIEK CIRARKVVIT ATQMLDSMIK NPRPTRAEEAG DVANAILDGT DAVMLSGESA KGKYPLEAVS IMATICERTD RVMNSRLEFN NDNRKLRITE AVCRGAVETA EKLDAPLIVV ATQGGKSARA VRKYFPDATI LALTTNEKTA HQLVLSKGVV PQLVKEITST DDFYRLGKEL ALQSGLAHKG DVVVMVSGAL VPSGTTNTAS VHV L.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless 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	pykF protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol. Greater than 95% 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**