

32-3110: pykF Recombinant Protein

Alternative Name : Pyruvate kinase I,PK-1,pykF,b1676,JW1666.

Description

Source : E.coli. 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. pykF (pyruvate kinase I) is a member of the pyruvate kinase family. pykF is an enzyme involved in glycolysis. pykF catalyzes the transfer of a phosphate group from phosphoenolpyruvate (PEP) to ADP, yielding one molecule of pyruvate and one molecule of ATP, a process which also requires a Magnesium ion. This is the final step in the glycolytic pathway, which produces pyruvate molecules, the ultimate product of aerobic glycolysis.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	pykF protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.
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 :	MGSSHHHHHH SSGLVPRGSH MGSMMKTKI VCTIGPKTES EEMLAKMLDA GMNVMRLNFS HGDYAEHGQR IQNLRNVMSK TGKTAAILLD TKGPEIRTMK LEGGNDVSLK AGQTFTFTTD KSVIGNSEMV AVTYEGFTTD LSVGNTVLVD DGLIGMEVTA IEGNKVICKV LNNGDLGENK GVNLPGVISA LPALAEKDKQ DLIFGCEQGV DFVAASFIRK RSDVIEIREH LKAHGGENIH IISKIENQEG LNNFDEILEA SDGIMVARGD LGVEIPVEEV IFAQKMMIEK CIRARKVVIT ATQMLDSMIK NPRPTRAEG DVANAILDGT DAVMLSGESA KGKYPLEAVS IMATICERTD RVMNSRLEFN NDNRKLRITE AVCRGAVETA EKLDAPLIVV ATQGGKSARA VRKYFPDATI LALTTNEKTA HQLVLSKGVV PQLVKEITST DDFYRLGKEL ALQSGLAHKG DVVVMVSGAL VPSGTTNTAS VHVL.

