

## Product datasheet for **AR50327PU-S**

### pykF (1-470, His-tag) Escherichia coli Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	pykF (1-470, His-tag) recombinant protein, 0.1 mg
<b>Species:</b>	Escherichia coli
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMMKTKI VCTIGPKTES EEMPLAKMLDA GMNVMRLNFS HGDYAEHGQR IQNLRNVMSK TGKTAAILLD TKGPEIRTMK LEGGNDVSLK AGQTFFTTD KSVIGNSEMV AVTYEGFTTD LSVGNTVLVD DGLIGMEVTA IEGNKVICKV LNNGDLGENK GVNLPGVSA LPALAEKDKQ DLIFGCEQGV DFVAASFIRK RSDVIEIREH LKAHGGENIH IISKIENQEG LNNFDEILEA SDGIMVARGD LGVEIPVEEV IFAQKMMIEK CIRARKVVIT ATQMLDSMIK NPRPTRAEG DVANAILDGT DAVMLSGESA KGKYPLEAVS IMATICERTD RVMNSRLEFN NDNRKLRITE AVCRGAVETA EKLDAPLIV ATQGGKSARA VRKYFPDATI LALTTNEKTA HQLVLSKGVV PQLVKEITST DDFYRLGKEL ALQSGLAHKG DWVMVSGAL VPSGTTNTAS VHVL
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	53.3 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant E.coli pykF protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.



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**Summary:**

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

**Product images:**