

Glycerol kinase E. Coli Recombinant

Item Number	rAP-1678
Synonyms	Glycerol kinase, glycerol 3-phosphotransferase, Glycerokinase, GK.
Description	GlpK E. Coli Recombinant produced in E. coli is a single, non-glycosylated polypeptide chain containing 525 amino acids (1-502 a.a) and having a molecular mass of 58.6 kDa. GlpK is fused to a 23 amino acid His-tag at N-terminus& purified by proprietary chromatographic techniques.
Uniprot Accession Number	P0A6F3
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTTEKKYI VALDQGTSS RAVVMDHDAN IISVSQREFE QIYPKPGWVE HDPMEIWATQ SSTLVEVLAK ADISSDQI- AA IGITNQRETT IWWEKETGKP IYNAIVWQCR RTAEICEHLK RDGLEDYIRS NTGLVIDPYF SGTQVKWILD HVEGSRERAR RGELLFGTVD TWLIWKMTQG RVHVTDTNA SRTMLFNIHT LDWDDKMLEV LDIPREM- LPE VRRSSEVYGQ TNIGGKGGTR IPISGIAGDQ QAALFGQLCV KEGMAKNTYG TGCFMLMNTG EKAV-
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	GlpK protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% 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**