

Recombinant E.coli glpK, His-tagged

Cat. No. glpK-42E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.coli glpK, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	E.coli
Source	E.coli
Description	glpK also known as glycerol kinase, belongs to the FGGY kinase family. glpK function to catalyze the transfer of a phosphate group from ATP to glycerol, thereby forming glycerol phosphate. This intermediate can then be converted to dihydroxyacetone phosphate (DHAP), which is utilized in either glycolysis or gluconeogenesis.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	58.6kDa (525aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTTEKKYI VALDQGTSS RAVVMDHDAN IISVSQREFE QIYPKPGWVE HDPMEIWATQ SSTLVEVLAK ADISSDQIAA IGITNQRETT IVWEKETGKP IYNAIVWQCR RTAEICEHLK RDGLEDYIRS NTGLVIDPYF SGTKVKWILD HVEGSRERAR RGELLFGTVD TWLIWKMTQG RVHVTDYTNA SRTMLFNIHT LDWDDKMLEV LDIPREMLPE VRRSSEVYQG TNIGGKGGTR IPISGIAGDQ QAALFGQLCV KEGMAKNTYG TGCFMLMNTG EKAVKSENG LTTIACGPTG EVNYALEGAV FMAGASIQWL RDEMKLINDA YDSEYFATKV QNTNGVYVVP AFTGLGAPYW DPYARGAIFG LTRGVNANHI IRATLESIAY QTRDVLEAMQ ADGIRLHAL RVDGGAVANN FLMQFQSDIL

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GTRVERPEVR EVTALGAAYL AGLAVGFWQN LDELQEKAVI EREFRPGIET
TERNYRYAGW KKAVKRAMAW EEHDE

Purity >95% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

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