

## Recombinant E.coli Glycerol kinase

Catalog No: #AP72392



Package Size: #AP72392-1 20ug #AP72392-2 100ug #AP72392-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant E.coli Glycerol kinase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-502aaSequence Info:Full Length
Other Names	ATP:glycerol 3-phosphotransferase
Accession No.	P0A6F3
Uniprot	P0A6F3
GenID	948423;
Calculated MW	60.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	TEKKYIVALDQGTSSRAVMDHDANIISVSQREFEQIYPKPGWVEHDPMEIWATQSSTLVEVLAKADISSDQI AAIGITNQRETTIVWEKETGKPIYNAIWWQCRRTAEICEHLKRDGLEDYIRSNTGLVIDPYFSGTKVKWILDHVE GSRERARRGELLFGTVDTWLIWKMTQGRVHVTDYTNASRTMLFNIHTLDWDDKMLEVLDIPREMLPEVRRSS EYVGQTNIGGKGGTRIPISGIAGDQQAALFGQLCVKEGMAKNTYGTGCFMLMNTGEKAVKSENGLLTTIACGP TGEVNYALEGAVFMAGASIQWLRDEMKLINDAYDSEYFATKVQNTNGVYVPAFTGLGAPYWDPYARGAIFG LTRGVNANHII RATLESIA YQTRD VLEAMQADSGIRLHALRVDGGAVANNFLMQFQSDILGTRVERPEVREVT A LGAAYLAGLAVGFWQNLDELQEKAVIEREFRPGIETTERNYRYAGWKKAVKRAMAWEEHDE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Key enzyme in the regulation of glycerol uptake and metabolism. Catalyzes the phosphorylation of glycerol to yield sn-glycerol 3-phosphate. It also catalyzes the phosphorylation of dihydroxyacetone, L-glyceraldehyde and D-glyceraldehyde. It uses only ATP.

## References

A single amino acid change in Escherichia coli glycerol kinase abolishes glucose control of glycerol utilization in vivo.Pettigrew D.W., Liu W.Z., Holmes C., Meadow N.D., Roseman S.J. Bacteriol. 178:2846-2852(1996)Research Topic:Others

Note: This product is for in vitro research use only