

Recombinant Escherichia coli Aerobic glycerol-3-phosphate dehydrogenase(glpD)

Catalog No: #AP70997

Package Size: #AP70997-1 20ug #AP70997-2 100ug #AP70997-3 1mg

Description

Product Name	Recombinant Escherichia coli Aerobic glycerol-3-phosphate dehydrogenase(glpD)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-501aaSequence Info:Full Length
Accession No.	P13035
Calculated MW	60.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	METKDLIVIGGGINGAGIAADAAGRGLSVLMLEAQDLACATSSASSKLIHGGLRYLEHYEFRLVSEALAEREVLL KMAPHIAFPMRFRLPHRPHLRPAWMIRIGLFMYDHLGKRTSLPGSTGLRFGANSVLKPEIKRGFEYSDCWVDD ARLVLANAQMVVRKGGEVLTTRATSARRENGLWIVEAEDIDTGKKYSWQARGLVNATGPWVKQFFDDGMH LPSPYGIRLIKGSHIVVRVHTQKQAYILQNE DKRIVFVIPWMDEF SIIGTTDVEYKGD PKAVKIEESEIN YLLNVY NTHFKQLSRDDIVWTYSGVRPLCDDSDSPQAITRDYTLDIHDENGKAPLLSVFGGKLTTRYKLAEHALEKLT PYYQGIGPAWTKESVLPGGAIEGDRDDYAARLRRYPFLTESLARHYARTYGSNSELLLGNAGTVSDLGEDF GHEFYEAELKYLVDHEWVRRADDALWRRTKQGMWLNADQQSRVSQWLVEYTQQRLSLAS
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

Conversion of glycerol 3-phosphate to dihydroxyacetone. Uses molecular oxygen or nitrate as electron acceptor.

References

Escherichia coli proteome analysis using the gene-protein database.VanBogelen R.A., Abshire K.Z., Moldover B., Olson E.R., Neidhardt F.C.Electrophoresis 18:1243-1251(1997)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.