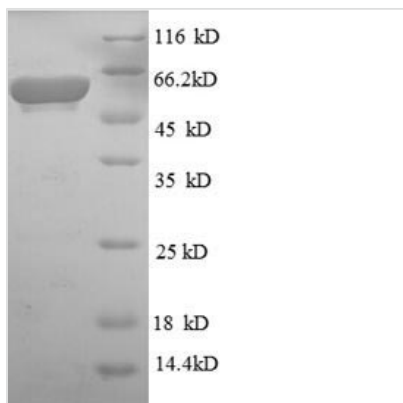




Recombinant Escherichia coli Aerobic glycerol-3-phosphate dehydrogenase (glpD)

Product Code	CSB-EP320174ENV
Relevance	Conversion of glycerol 3-phosphate to dihydroxyacetone. Uses molecular oxygen or nitrate as electron acceptor.
Abbreviation	Recombinant E.coli glpD protein
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.
Uniprot No.	P13035
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	METKDLIVIGGGINGAGIAADAAGRGLSVLMLEAQDLACATSSASSKLIHGGLR YLEHYEFRLVSEALAEREVLLKMAPHIAFPMRFRPLPHRPHLRPAWMIRIGLFMY DHLGKRTSLPGSTGLRFGANSVLKPEIKRGFEYSDCWVDDARLVLANAQMVV RKGGEVLRTRATSARRENGLWIVEAEDIDTGKKYSWQARGLVNATGPWVKQ FFDDGMHLPSPYGIKGLIKGSHIVVPRVHTQKQAYILQNE DKRIVFVIPWMDEF SII GTTDVEYKGD PKAVKIEESEIN YLLNVYNTHFKKQLSRDDIVW TYSGVRPLCDD ESDSPQAITRDYTLDIHDENGKAPLLSVFGGKLT TYRKLAEHALEKLTPYYQGI GPAWTKESVLPGGAIEGDRDDYAARLRRRYPFLTESLARHYARTYGSNSELLL GNAGTVSDLGEDFGHEFYEAELKYLVDHEWVRRADDALWRRTKQGMWLNA DQQRVSVQWLVEYTQQRSLAS
Research Area	Others
Source	E.coli
Target Names	glpD
Expression Region	1-501aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	60.8kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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