



Recombinant *Synechocystis* sp. Glyceraldehyde-3-phosphate dehydrogenase 2 (gap2)

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| Product Code | CSB-EP305307SSQ-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P80505 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Synechocystis</i> sp. (strain PCC 6803 / Kazusa) |
| Purity | >85% (SDS-PAGE) |
| Sequence | TRVAINGFG RIGRNFLRCW LGRTDSQLEV VGINDTSDPR TNAHLLRYDS MLGKLDADIS ADENSITVNG KTIKCVSDRN PLNLPWAEWN VDLVIEATGV FVTHEGATKH VQAGAKKVL I TAPGKGNIG TYVVGVAHE YKHEEYEVIS NASCTTNCLA PFGKVINDNF GIIKGTMTT HSYTGDQRIL DASHRDLRRA RAAVNIVPT STGAAKAVAL VIPELQGKLN GIALRVPTPN VSVVDLVVQV EKNTIAEQVN GVLKEAANTS LKGVLEYTDL ELVSSDFRGT DCSSTVDGSL TMVMGGDMVK VIAWYDNEWG YSQRVVDLAE IVAKNWK |
| Source | E.coli |
| Target Names | gap2 |
| Protein Names | Recommended name: Glyceraldehyde-3-phosphate dehydrogenase 2 EC=1.2.1.59 Alternative name(s): GAPDH 2 Short name= GAP-2 NAD(P)-dependent glyceraldehyde-3-phosphate dehydrogenase |
| Expression Region | 2-337 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| 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 | 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. |