



Recombinant *Synechococcus elongatus* Gamma-glutamyl phosphate reductase (proA)

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|--------------------------|---|
| Product Code | CSB-YP655323FPY |
| Abbreviation | proA |
| 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. | Q31KX4 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MATLSVDLEV QAQATRAAAR QLAQWSGADR QRLLSAIATT LEQEAPRILA ANQADCEAAT TEGIAPALYA RLKLDADKLA AAIAGVRDLA QLPDPLGQIQ IDRELDEGLI LQRLTCPVGV LGVIFEARPD AVIQIASLAI KSGNGAILKG GREAICSCQA IVAAIAQALA EQQAPVEAIR LLTSREETLA LLKLDRYVDL IIPRGSNSFV RFVQDNTHIP VLGHADGICH LYVDQAAAIE KTVTITVDAK TQYPAACNAI ETLLIHEAIA PQFLPVAAA LHEKGVSLRG DAAAQTIVPM EAATEEDWRT EYSDLVLAVR LVPSLDAAIA HINEYGSHT DAIATEDAAA AAQFFSQVDS AGVYHNCSTR FADGFYRFGF AEVGISTQKL PPRGPVGLG LVTYKYVLSG DGQIAATYSG AQAKPFLHRD R |
| Source | Yeast |
| Target Names | proA |
| Protein Names | Recommended name: Gamma-glutamyl phosphate reductase Short name= GPR EC= 1.2.1.41 Alternative name(s): Glutamate-5-semialdehyde dehydrogenase Glutamyl-gamma-semialdehyde dehydrogenase Short name= GSA dehydrogenase |
| Expression Region | 1-431 |
| 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 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. |



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