



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

Product Code	CSB-EP655323FPY
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 ETLIHEAIA PQFLPVAAA LHEKGVSLRG DAAAQTIVPM EAATEEDWRT EYSDLVLAVR LVPSLDAAIA HINEYGSHT DAIATEDAAA AAQFFSQVDS AGVYHNCSTR FADGFYRFG AEVGISTQKL PPRGPVGLG LVTYKYVLSG DGQIAATYSG AQAKPFLHRD R
Source	E.coli
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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