



Recombinant Escherichia coli O139:H28 Gamma-glutamyl phosphate reductase (proA)

Product Code	CSB-EP419469EJD
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.	A7ZI02
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O139:H28 (strain E24377A / ETEC)
Purity	>85% (SDS-PAGE)
Sequence	MLEQMGIAAK QASYKLAQLS SREKNRVLEK IADELEAQSE IILNANAQDV ADARANGLGE AMLDRLALTP ARLKGIADDV RQVCNLADPV GQVIDGSVLD SGLRLERRRV PLGVIGVIYE ARPNVTVDVA SLCLKTGNAV ILRGGKETCR TNAATVAVIQ DALKSCGLPA GAVQAIDNPD RALVSEMLRM DKYIDMLIPR GGAGLHKLCR EQSTIPVITG GIGVCHIYVD ESVEIAEALK VIVNAKTQRP STCNTVETLL VNKNIADSFL PALSQMAES GVTLHADAAA LAQLQAGPAK VVAVKAEEDY DEFSLDLNV KIVSDLDDAI AHIREHGTQH SDAILTRDMR NAQRFVNEVD SSAVYVNAST RFTDGGQFGL GAEVAVSTQK LHARGPMGLE ALTTYKWIGI GDYTIRA
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	1-417
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. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



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