



Recombinant *Corynebacterium glutamicum* Pyrroline-5-carboxylate reductase (proC)

Product Code	CSB-EP314647DWY
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P0C1E4
Product Type	Recombinant Protein
Immunogen Species	<i>Corynebacterium glutamicum</i> (strain ATCC 13032 / DSM 20300 / JCM 1318 / LMG 3730 / NCIMB 10025)
Purity	>85% (SDS-PAGE)
Sequence	MTTIAVIGGG QIGEALVSGI IAA NMNPQNI RVTNRSEERG QELRDRYGIL NMTDNSQAAD EADVFLCVK PKFIVEVLSE ITGTLDNNSA QSVVVSMAAG ISIAAMEESA SAGLPVVRVM PNTPLVGKG MSTVTKGRYV DAEQLEQVKD LLSTVGDVLE VAESDIDAVT AMSGSSPAYL FLVTEALIEA GVNGLPRAT AKKLAVASFE GAATMMKETG KEPSELRAGV SSPAGTTVAA IRELEESGIR GAFYRAAQAC ADRSEELGKR
Source	<i>E. coli</i>
Target Names	proC
Protein Names	Recommended name: Pyrroline-5-carboxylate reductase Short name= P5C reductase Short name= P5CR EC= 1.5.1.2
Expression Region	1-270
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 of lyophilized form is 12 months at -20°C/-80°C.