



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

<b>Product Code</b>	CSB-MP314647DWY
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P0C1E4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Corynebacterium glutamicum</i> (strain ATCC 13032 / DSM 20300 / JCM 1318 / LMG 3730 / NCIMB 10025)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MTTIAVIGGG QIGEALVSGI IANMNPQNI RVTNRSEERG QELRDYRIGIL NMTDNSQAAD EADVFLCVK PKFIVEVLSE ITGTLNNSA QSVVVSMAAG ISIAAMEESA SAGLPVVRVM PNTPLVGKG MSTVTKGRYV DAEQLEQVKD LLSTVGDVLE VAESDIDAVT AMSGSSPAYL FLVTEALIEA GVNGLPRAT AKKLAVASFE GAATMMKETG KEPSELRAGV SSPAGTTVAA IRELEESGIR GAFYRAAQAC ADRSEELGKR
<b>Source</b>	Mammalian cell
<b>Target Names</b>	proC
<b>Protein Names</b>	Recommended name: Pyrroline-5-carboxylate reductase Short name= P5C reductase Short name= P5CR EC= 1.5.1.2
<b>Expression Region</b>	1-270
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.