



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

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| Product Code | CSB-BP314647DWY |
| 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 QELRDYRIGIL NMTDNSQAAD EADVFLCVK PKFIVEVLSE ITGTLDNNSA QSVVVSMAAG ISIAAMEESA SAGLPVVRVM PNTPLVGKG MSTVTKGRYV DAEQLEQVKD LLSTVGDVLE VAESDIDAVT AMSGSSPAYL FLVTEALIEA GVNGLPRAT AKKLAVASFE GAATMMKETG KEPSELRAGV SSPAGTTVAA IRELEESGIR GAFYRAAQAC ADRSEELGKR |
| Source | Baculovirus |
| 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. |