



Recombinant *Synechococcus elongatus* 15-cis-phytoene desaturase (pds)

Product Code	CSB-EP326620FPY-B
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.	P26294
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MRVAIAGAGL AGLSCAKYLA DAGHTPIVYE RRDVLGGKVA AWKDEDGDWY ETGLHIFFGA YPNMLQLFKE LNIEDRLQWK SHSMIFNQPT KPGTYSRFD PDIPAPINGV AAILSNNMML TWEEKIKFGL GLLPAMIRGQ SYVEEMDQYS WTEWLRKQNI PERVNDEVFI AMAKALNFID PDEISATVVL TALNRFLQEK KGSMMAFLDG APPERLCQPI VEHVQARGGD VLLNAPLKEF VLNDSSVQA FRIAGIKGQE EQLIEADAYV SALPVDPLKL LLPDAWKAMP YFQQLDGLQG VPVINIHLWF DRKLTIDIDL LFSRSPLLSV YADMSNTCRE YEDPDRSMLE LVFAPAKDWI GRSDDEDILAA TMAEIEKLP QHFSGENPAR LRKYKIVKTP LSVYKATPGR QQYRPDQASP IANFFLTGDY TMQRYLASME GAVLSGKLTA QAIARQDEL QRRSSGRPLA ASQA
Source	E.coli
Target Names	pds
Protein Names	Recommended name: 15-cis-phytoene desaturase EC= 1.3.5.5 Alternative name(s): Phytoene dehydrogenase
Expression Region	1-474
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.