



Recombinant *Oryza sativa* subsp. *indica* Phytoene dehydrogenase, chloroplastic/chromoplastic (PDS1)

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|--------------------------|---|
| Product Code | CSB-EP383700OFF-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. | A2XDA1 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Oryza sativa</i> subsp. <i>indica</i> (Rice) |
| Purity | >85% (SDS-PAGE) |
| Sequence | AGQ LSSFFRNSEQ PTKPLQVVIA GAGLAGLSTA KYLADAGHKP ILLEARDVLG GKIAAWKDED GDWYETGLHI FFGAYPNIQN LFGELGINDR LQWKEHSMIF AMPNKPGEFS RFDFPETLPA PLNGIWAILR NNEMLTWPEK VKFALGLLPA MVGGQAYVEA QDGFTVSEWM KKQGVDPDRVN DEVFIAMSKA LNFINPDELS MQCILIALNR FLQEKHGSKM AFLDGNPPER LCMPIVDHVR SLGGEVRLNS RIQKIELNPD GTVKHFALTD GTQITGDAYV FATPVDILKL LVPQEWKEIS YFKKLEKLVG VPVINVHIWF DRKLNKTYDH LLFSRSSLLS VYADMSVTCK EYYDPNRSML ELVFAPAEW VGRSDTEIIE ATMQELAKLF PDEIAADQSK AKILKYHVVK TPRSVYKTIP DCEPCRPLQR SPIEGFYLAG DYTKQKYLAS MEGAVLSGKL CAQSVVEDYK MLSRRSLKSL QSEVPVAS |
| Source | E.coli |
| Target Names | PDS1 |
| Protein Names | Recommended name: Phytoene dehydrogenase, chloroplastic/chromoplastic EC= 1.14.99.- Alternative name(s): Phytoene desaturase |
| Expression Region | 88-578 |
| 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 of Mature 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. |



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