



Recombinant Arabidopsis thaliana Violaxanthin de-epoxidase, chloroplastic (VDE1)

Product Code	CSB-EP655109DOA
Abbreviation	VDE1
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.	Q39249
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	VDALKTC ACLLKGCRIE LAKCIANPAC AANVACLQTC NNRPDETECQ IKCGDLFENS VVDEFNECAV SRKKCVPRKS DLGEFPAPDP SVLVQNFNIS DFNGKWYITS GLNPTFDAFD CQLHEFHTEG DNKLVGNISW RIKTLDSGFF TRSAVQKFVQ DPNQPGVLYN HDNEYLHYQD DWYILSSKIE NKPEDIYFVY YRGRNDAWDG YGGAVVYTRS SVLPNSIPE LEKAAKSIGR DFSTFIRTDN TCGPEPALVE RIEKTVEEGE RIIVKEVEEI EEEVEKEVEK VGRTEMTLFQ RLAEGFNELK QDEENFVREL SKEEMEFLDE IKMEASEVEK LFGKALPIRK VR
Source	E.coli
Target Names	VDE1
Protein Names	Recommended name: Violaxanthin de-epoxidase, chloroplastic Short name= AtVxDE EC= 1.10.99.3 Alternative name(s): Protein NON-PHOTOCHEMICAL QUENCHING 1
Expression Region	114-462
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. 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.