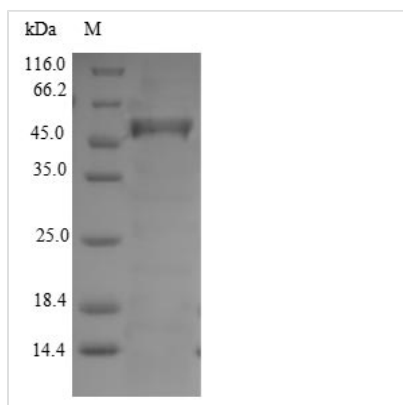




Recombinant *Portulaca grandiflora* 4,5-DOPA dioxygenase extradiol (DODA)

Product Code	CSB-EP767105PIAD
Relevance	Opens the cyclic ring of dihydroxy-phenylalanine (DOPA) between carbons 4 and 5, thus producing an unstable seco-DOPA that rearranges nonenzymatically to betalamic acid.
Abbreviation	Recombinant <i>Portulaca grandiflora</i> DODA protein
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.	Q7XA48
Product Type	Recombinant Protein
Immunogen Species	<i>Portulaca grandiflora</i> (Rose moss)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGVGKEVSFKESFFLSHGPNAMLADESFIARNFLLGWKKNVFPVKPKSILVVS AHWETDVPCVSAGQYPNVIYDFTEVPASMFQMKYPAPGCPKLAKRVQELLIA GGFKSAKLDEERGFDHSSWVPLSMMCPEADIPVCQLSVQPGLDATHHFNVG RALAPLKGEVLFISGGAVHPSDDTPHWFDGVAPWAAEFDQWLEDALLEG RYEDVNNYQTKAPEGWKLAHPIEHFLPHVAMGAGGEKSKAELIYRTWDHG TLGYASYKFTSI
Research Area	others
Source	E.coli
Target Names	DODA
Protein Names	Recommended name: 4,5-DOPA dioxygenase extradiol EC= 1.13.-.-
Expression Region	1-271aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	49.9kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.