



Recombinant *Cupriavidus pinatubonensis* Alpha-ketoglutarate-dependent 2,4-dichlorophenoxyacetate dioxygenase (tfdA)

Product Code	CSB-EP320717DZR
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.	P10088
Product Type	Recombinant Protein
Immunogen Species	<i>Cupriavidus necator</i> (strain JMP 134 / LMG 1197) (<i>Ralstonia eutropha</i> (strain JMP 134))
Purity	>85% (SDS-PAGE)
Sequence	MSVVANPLHP LFAAGVEDID LREALGSTEV REIERLMDEK SVLVFRGQPL SQDQQIAFAR NFGPLEGGFI KVNQRPSRFK YAELADISNV SLDGKVAQRD AREVVGNFAN QLWHS DSSFQ QPAARYSMLS AVVPPSGGD TEFCDMRAAY DALPRDLQSE LEGLRAEHYA LNSRFLLGDT DYSEAQRNAM PPVNWPLVRT HAGSGRKFLF IGASHASHVEG LPVAEGRMLL AELLEHATQR EFVYRHRWNV GDLVMWDNRC VLHRGRRYDI SARRELRRAT TLDDAVV
Source	E.coli
Target Names	tfdA
Protein Names	Recommended name: Alpha-ketoglutarate-dependent 2,4-dichlorophenoxyacetate dioxygenase Short name= 2,4-D dioxygenase EC= 1.14.11.-
Expression Region	1-287
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.