



Recombinant 4-hydroxyphenylpyruvate dioxygenase (hpd)

Product Code	CSB-EP010698SNN-B
Abbreviation	hpd
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.	Q53586
Product Type	Recombinant Protein
Immunogen Species	Streptomyces avermitilis (strain ATCC 31267 / DSM 46492 / JCM 5070 / NBRC 14893 / NCIMB 12804 / NRRL 8165 / MA-4680)
Purity	≥85% (SDS-PAGE)
Sequence	MTQTTHHTPD TARQADPFVPV KGMDAVVFAV GNAKQAAHY Y STAFGMQLVA YSGPENG SRE TASYVLTNGS ARFVLTSVIK PATPWGHFLA DHVAEHGDGV VDLAI EVPDA RAAHAYAIEH GARSVAEPYE LKDEHGT VVL AAIATYGKTR HTLVDR TGYPYLPGYVAA APIVEPPAHR TFQAIDHCVG NVELGRMNEW VGFYNKVMGF TNMKEFVGDD IATEYSALMS KVVADGTLKV KFPINEPALA KKKSQIDEYL EFYGGAGVQH IALNTGDIVE TVRTMRAAGV QFLDTPDSYY DTLGEWVGDT RVPVDTLREL KILADRDEDG YLLQIFTKPV QDRPTVFFEI IERHGSMGFG KGNFKALFEA IEREQEK RGN L
Source	E.coli
Target Names	hpd
Protein Names	Recommended name: 4-hydroxyphenylpyruvate dioxygenase Short name= 4HPPD Short name= HPD Short name= HPPDase EC= 1.13.11.27
Expression Region	1-381
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.