



Recombinant Arabidopsis thaliana 4-hydroxyphenylpyruvate dioxygenase (HPD)

Product Code	CSB-EP010698DOA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P93836
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	MGHQNAAVSE NQNHDDGAAS SPGFKLVGFS KFVRKNPKSD KFKVKRFHHI EFWCGDATNV ARRFWSWGLGM RFSAKSDLST GNMVHASYLELL TSGDLRFLFT APYSPSLSAG EIKPTTTASI PSFDHGSCRS FFSSHGLGVR AVAIEVEDAE SAFSISVANG AIPSSPPIVL NEAVTIAEVK LYGDVVLRYV SYKAEDTEKS EFLPGFERVE DASSFPLDYG IRRLDHAVGN VPELGPALTY VAGFTGFHQF AEFTADDVGT AESGLNSAVL ASNDEMVLPP INEPVHGTKR KSQIQTYLEH NEGAGLQHLA LMSIEDIFRTL REMRKRSSIG GFDFMPSPPP TYYQNLKKRV GDVLSDDQIK ECEELGILVD RDDQGTLLQI FTKPLGDRPT IFIEIIQRVG CMMKDEEGKA YQSGGCGGFG KGNFSELFKS IEEYEKTLA KQLVG
Source	E.coli
Target Names	HPD
Protein Names	Recommended name: 4-hydroxyphenylpyruvate dioxygenase EC= 1.13.11.27 Alternative name(s): 4-hydroxyphenylpyruvic acid oxidase Short name= 4HPPD Short name= HPD Short name= HPPDase
Expression Region	1-445
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.