



Recombinant Pseudomonas putida Benzene 1,2-dioxygenase subunit alpha (bnzA)

Product Code	CSB-EP405089PZN
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.	A5W4F2
Product Type	Recombinant Protein
Immunogen Species	Pseudomonas putida (strain ATCC 700007 / DSM 6899 / BCRC 17059 / F1)
Purity	>85% (SDS-PAGE)
Sequence	MNQTDTSPIR LRRSWNTSEI EALFDEHAGR IDPRIYTDED LYQLELERVF ARSWLLLGHE TQIRKPGDYI TTYMGEDPVV VVRQKDASIA VFLNQCRHRG MRICRADAGN AKAFTCSYHG WAYDTAGNLV NVPYEAESFA CLNKKEWSPL KARVETYKGL IFANWDENAV DLDTYLGEAK FYMDHMLDRT EAGTEAIPGV QKWWIPC�WK FAAEQFCSDM YHAGTTSHLS GILAGLPEDL EMADLAPPTV GKQYRASWGG HGSGFYVGGP NLMLAIMGPK VTSYWTEGPA SEKAAERLGS VERGSKLMVE HMTVFPTCSF LPGINTVRTW HPRGPNEVEV WAFTVVDADA PDDIKEEFRR QTLRTFSAGG VFEQDDGENW VEIQHILRGH KARSRPFNAE MSMDQTVDND PVYPGRISNN VYSEEAARGL YAHWLRMMTS PDWDALKATR
Source	E.coli
Target Names	bnzA
Protein Names	Recommended name: Benzene 1,2-dioxygenase subunit alpha EC= 1.14.12.3 Alternative name(s): Benzene 1,2-dioxygenase P1 subunit Toluene 2,3-dioxygenase subunit alpha EC= 1.14.12.11
Expression Region	1-450
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.