



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

<b>Product Code</b>	CSB-YP405089PZN
<b>Storage</b>	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.
<b>Uniprot No.</b>	A5W4F2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Pseudomonas putida (strain ATCC 700007 / DSM 6899 / BCRC 17059 / F1)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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
<b>Source</b>	Yeast
<b>Target Names</b>	bnzA
<b>Protein Names</b>	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
<b>Expression Region</b>	1-450
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.