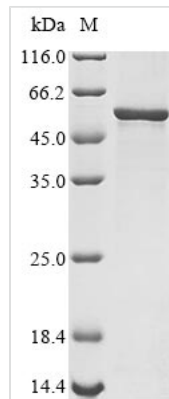




Recombinant *Pseudomonas putida* Phthalate 4,5-dioxygenase oxygenase subunit (pht3)

Product Code	CSB-EP313137FFZ
Abbreviation	Recombinant <i>Pseudomonas putida</i> pht3 protein
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.	Q05183
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	<i>Pseudomonas putida</i> (<i>Arthrobacter siderocapsulatus</i>)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MLTPEENLLLCRVEGDAPMGQMMRRHWTPVCLLEEVSEPDGTPVRARLFGE DLVVFRDTDGRVGVMD EYCPHRRVSLIYGRNENSGLRCLYHGWMKDVGNDV VEMVSEPAASNMCQKVKHTAYKTREWGGFVWAYMGPQDAIPEFVPPAWAP HEHVRVSIKAIIPCNWAQILEGAIDSAHSSSLHSSDFVPARVGGAEATSKNWL RPSTDKAPRMQVERTSYGFRYAALRRPIQNAATSEYVRSTVFVAPATALIPP NLYNVANINVPIDDTHTAFYFMAWGNPDNTPETETWRKFLGQQVIGIDLDDSYR PLRNDGNRFFQDREAMKNGNFTGIKGFNPQDIAMWVTMGPIADRSERLGAS DLAVVEFRRVMLDALAAFQAGESAIGTGEKAIPSRICSFQAIVSKDIDWRDYQA RYVWALDDANIVAEPDYEVT
Research Area	others
Source	E.coli
Target Names	pht3
Expression Region	1-439aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	56.7 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

To achieve the expression of the recombinant *Pseudomonas putida* (*Arthrobacter siderocapsulatus*) pht3 protein in *e.coli* cells, a DNA fragment encoding the *Pseudomonas putida* (*Arthrobacter siderocapsulatus*) pht3 protein (1-439aa) is inserted into a plasmid vector, which is then transferred to *e.coli* cells. After screening positive cells, they are cultured and induced to create the pht3 protein. The protein features a N-terminal 10xHis tag and C-terminal Myc tag fusion. The recombinant *Pseudomonas putida* (*Arthrobacter siderocapsulatus*) pht3 protein is purified from the cell lysate through affinity purification. The purity of the obtained recombinant *Pseudomonas putida* (*Arthrobacter siderocapsulatus*) pht3 protein is greater than 85%, measured by SDS-PAGE.

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.