



Recombinant *Pseudomonas putida* Mandelate racemase (mdIA)

Product Code	CSB-MP318141FFZ
Storage	The shelf life of liquid-form form is 6 months around at -20°C/-80°C. The shelf life of lyophilized form is 12 months around at -20°C/-80°C.
Uniprot No.	P11444
Product Type	Recombinant Protein
Immunogen Species	<i>Pseudomonas putida</i> (<i>Arthrobacter siderocapsulatus</i>)
Purity	>85% (SDS-PAGE)
Sequence	MSEVLITGLR TRAVNVPLAY PVHTAVGTVG TAPLVLIDLA TSAGVVGHSY LFAYTPVALK SLKQLLDDMA AMIVNEPLAP VSLEAMLAKR FCLAGYTGLI RMAAAGIDMA AWDALGKVHE TPLVKLLGAN ARPVQAYDSH SLDGVKLATE RAVTAAELGF RAVKTKIGYP ALDQDLAVVR SIRQAVGDDF GIMVDYNQSL DVPAAIKRSQ ALQQEGVTWI EEPTLQHDYE GHQRIQSKLN VPVQMGENWL GPEEMFKALS IGACRLAMPD AMKIGGVTGW IRASALAQQF GIPMSSHLFQ EISAHLLAAT PTAHWLERLD LAGSVIEPTL TFEGGNAVIP DLPGVGIWR EKEIGKYL
Source	Mammalian cell
Target Names	mdIA
Protein Names	Recommended name: Mandelate racemase Short name= MR EC= 5.1.2.2
Expression Region	1-359
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.