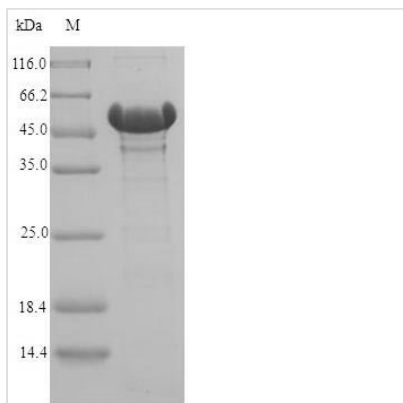




Recombinant Acinetobacter baylyi Catechol 1,2-dioxygenase (catA)

Product Code	CSB-EP357202AWW
Relevance	Catechol + O ₂ = cis,cis-muconate.
Abbreviation	Recombinant Acinetobacter baylyi catA 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.	P07773
Alias	1,2-CTD
Product Type	Recombinant Protein
Immunogen Species	Acinetobacter baylyi (strain ATCC 33305 / BD413 / ADP1)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MEVKIFNTQDVQDFLRVASGLEQEGGNPRVKQIIHRVLSPLYKAIEDLNITSDEY WAGVAYLNQLGANQEAGLLSPGLGFDHYLDMRMDAEDAALGIENATPRTIEG PLYVAGAPESVGYARMDDGSDPNGHTLILHGTIFDADGKPLPNAKVEIWHANT KGFYSHFDPTGEQQAFNMRRSIITDENGQYRVRTILPAGYGCPPEGPTQQLN QLGRHGNRPAHIHYFVSADGHRKLTQTQINVAGDPPTYDDFAYATREGLVVDAV EHTDPEAIKANDVEGPFAEMVFDLKLTRLVDGVDNQVVDPRRLAV
Research Area	Microbiology
Source	E.coli
Target Names	catA
Protein Names	Recommended name: Catechol 1,2-dioxygenase EC= 1.13.11.1 Alternative name(s): 1,2-CTD
Expression Region	1-311aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	50.3kDa
Protein Length	Full Length
Image	



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

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.