



# Recombinant Escherichia coli O81 2-hydroxy-6-oxononadienedioate/2-hydroxy-6-oxononatrienedioate hydrolase (mhpC)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-YP483554EOP                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | B7MPB6                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen Species</b> | Escherichia coli O81 (strain ED1a)                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequence</b>          | MSYQPQTEAA TSRFLNVEEA GKTLRIHFND CGQGDETVVL LHGSGPGATG<br>WANFSRNIDP LVKAGYRVIL LDCPGWGKSD SIVNSGSRSD LNARILKSVV<br>DQLDIAKIHL LGNSMGGHSS VAFTLNWPER VGKLVLMGGG TGGMSLFTPM<br>PTEGIKRLNQ LYRQPTIENL KLMMDFVFD TSDLTDALFE ARLNNMLSRR<br>DHLENFVKSL EANPKQFPDF GPRLAEIKAQ TLIVWGRNDR FVPMDAGLRL<br>LSGIAGSELH IFRDCGHWAQ WEHADAFNQL VLNFLARA                                                                  |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>      | mhpC                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Names</b>     | Recommended name: 2-hydroxy-6-oxononadienedioate/2-hydroxy-6-oxononatrienedioate hydrolase EC= 3.7.1.14 Alternative name(s): 2-hydroxy-6-ketonona-2,4-diene-1,9-dioic acid 5,6-hydrolase 2-hydroxy-6-oxonona-2,4,7-triene-1,9-dioic acid 5,6                                                                                                                                                                |
| <b>Expression Region</b> | 1-288                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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.<br>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.                                                                                                                          |