



# Recombinant Escherichia coli O17:K52:H18 2-dehydro-3-deoxyphosphooctonate aldolase (kdsA)

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| <b>Product Code</b>      | CSB-BP485391EOG                                                                                                                                                                                                                                                                                                                                                                                             |
| <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>       | B7N426                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen Species</b> | Escherichia coli O17:K52:H18 (strain UMN026 / ExPEC)                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequence</b>          | MKQKVVSIGD INVANDLPFV LFGGMNVLES RDLAMRICEH YVTVTQKLG I<br>PYVFKASFDK ANRSSIHSYR GPGLEEGMKI FQELKQTFGV KIITDVHEPS<br>QAQPVADVVD VIQLPAFLAR QTDLVEAMAK TGAVINVKKP QFVSPGQMGN<br>IVDKFKEGGN EKVILCDRGA NFGYDNLVVD MLGFSIMKKV SGNSPVIFDV<br>THALQCRDPF GAASGGRRRAQ VAELARAGMA VGLAGLFIEA HPDPEHAKCD<br>GPSALPLAKL EPFLKQMKAI DDLVKGFEEL DTSK                                                                   |
| <b>Source</b>            | Baculovirus                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Target Names</b>      | kdsA                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Names</b>     | Recommended name: 2-dehydro-3-deoxyphosphooctonate aldolase EC= 2.5.1.55 Alternative name(s): 3-deoxy-D-manno-octulosonic acid 8-phosphate synthase KDO-8-phosphate synthase Short name= KDO 8-P synthase Short name= KDOPS                                                                                                                                                                                 |
| <b>Expression Region</b> | 1-284                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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.                                                                                                                          |