



# Recombinant Dihydroxy-acid dehydratase (ilvD)

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| <b>Product Code</b>      | CSB-EP815190EGX-B  |
| <b>Abbreviation</b>      | ilvD   |
| <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>       | Q8FBR5   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | PKYRSATTT HGRNMAGARA LWRATGMTDA DFGKPIIAVV NSFTQFVPGH<br>VHLRDLGKLV AEQIEAAGGV AKEFNITIAVD DGIAMGHGGM LYSLPSRELI<br>ADSVEYMVNA HCADAMVCIS NCDKITPGML MASLRLNIPV IFVSGGPMEA<br>GKTKLSDQII KLDLVDAMIQ GADPKVSDSQ SAQVERSACP TCGSCSGMFT<br>ANSMNCLTEA LGLSQPGNGS LLATHADRKQ LFLNAGKRIV ELTKRYEYEQD<br>DESALPRNIA SKAAFENAMT LDIAMGGSTN TVLHLLAAAQ EAEIDFTMSD<br>IDKLSRKVPQ LCKVAPSTQK YHMEDVHRAG GVIGILGELD RAGLLNRDVK<br>NVLGLTLPQT LEQYDIVVTQ DDAVKNMFRA GPAGIRTTQA FSQDCRWDTL<br>DDDRSNGCIR SLEHAYSKDG GLAVLYGNFA ENGCIVKTAG VDDSILKFTG<br>PAKVYESQDD AVEAILGGKV VAGDVVVIRY EGPKGGPGMQ EMLYPTSFLK<br>SMGLGKACAL ITDGRFSGGT SGLSIGHVSP EAASGGSIGL IEDGDIAID<br>IPNRGIQLQV SDAELARRE AQEARGDKAW TPKKRERQVS FALRAYASLA<br>TSADKGAVRD KSKLGG |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | ilvD   |
| <b>Protein Names</b>     | Recommended name: Dihydroxy-acid dehydratase Short name= DAD EC=<br>4.2.1.9  |
| <b>Expression Region</b> | 2-616  |
| <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 of Mature 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.   |



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