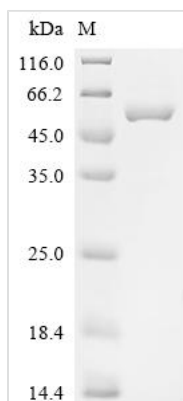




# Recombinant *Saccharomyces cerevisiae* D-serine dehydratase (DSD1)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP346044SVG                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Abbreviation</b>      | Recombinant <i>Saccharomyces cerevisiae</i> DSD1 protein                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>           | 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.                                                                                                                                                                                             |
| <b>Uniprot No.</b>       | P53095                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>              | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>    | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.                                                                                                                                                                                                                                                  |
| <b>Product Type</b>      | Recombinant <i>Saccharomyces cerevisiae</i> D-serine dehydratase (DSD1)                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen Species</b> | <i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sensitivity</b>       | Not Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>          | MSDVLSQYKGCSVRDLPTPNFVINEEKFDKNCTTMLNNVEKLSQECGVPIKFR<br>AHVKTHKTAKGTLKQLGHGLPLAKRTRAILVSTLKEAEELLNYQDRQCSYID<br>DITYSLPCCVPEFIPLLSNLSRRVNNFQVFVDNIEHLENLKNFGRPASGKKWSV<br>FIKVDMGTKRAGLAFDSPEFLSLLKKLTSSEIKEVIEPYGFYAHAGHSYSSTSIN<br>DTQNLLMEEVKAVNSAAKVLCSVDPQFDPSKLTLSVGATPTSNSLKLDNKSTL<br>VKFITTQLVSTLEIHCGNYCMYDLQQVATGCVQDHELSGFVLGTVLSSYPSRG<br>ELLSNTGVMCLTREASSIKGFGICADLEHVLKSEFSREWYVARVSQEHGILRP<br>IRNWNETTPLKLGSKI AVL PQHACITMGQFPYYFVNSEGIVNDVWL P F Q K W |
| <b>Research Area</b>     | Others                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Target Names</b>      | DSD1                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 1-428aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tag Info</b>          | C-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Mol. Weight</b>       | 54.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



(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.