

D-Serine Dehydratase, Active, Recombinant
DsdSC, D-serine deaminase, DSD, DSD1
Catalog # PBV11672r**Specification**

D-Serine Dehydratase, Active, Recombinant - Product info

Primary Accession [P53095](#)
Calculated MW **47.8 kDa** KDa

D-Serine Dehydratase, Active, Recombinant - Additional Info

Gene ID **852679**
Other Names
DsdSC, D-serine deaminase, DSD, DSD1

Gene Source **Saccharomyces cerevisiae**
Source **E.coli**
Assay&Purity **SDS-PAGE;> 95%**
Recombinant **Yes**
Target/Specificity
D-Serine Dehydratase, Active, Recombinant

Application Notes

Reconstitute in 50 mM potassium phosphate, 50 mM NaCl, pH 7.4.

Format

Lyophilized

Storage

-20°C; Lyophilized from 50 mM Sodium phosphate, pH 7.0, 30% glycerol

D-Serine Dehydratase, Active, Recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

D-Serine Dehydratase, Active, Recombinant - Images**D-Serine Dehydratase, Active, Recombinant - Background**

D-Serine Dehydratase belongs to the β - family of the Pyridoxal phosphate-dependent enzymes and

part of the fold-type II family. It binds to one catalytically essential PLP per protein molecule but also contains another low affinity PLP binding site. The enzyme converts D-Serine, D-threonine, D-allo-Threonine to corresponding α -keto acid and ammonia. It is suggested to act as a detoxifying enzyme for E.Coli strains.