

Serine Dehydratase-Like Human Recombinant

Item Number	rAP-0953
Synonyms	Serine dehydratase-like, SDS-RS1, Serine dehydratase 2, TDH, L-serine dehydratase/L-threonine deaminase, SDH 2, serine dehydratase related sequence 1, EC 4.3.1.17, EC 4.3.1.19.
Description	SDSL Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (1-329) and having a molecular mass of 37.3 kDa. SDSL is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q96GA7
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDGPVA EHAKQEPFHV VTPLESWAL SQVAGMPVFL KCEN- VQPSSG FKIRGIGHFC QEMAKKGRH LVCSSGGNAG IAAAYAARKL GIPATIVLPE STSLQVVQRL QGEGAEVQLT GKVWDEANLR AQELAKRDGW ENVPPFDHPL IWKGHASLVQ ELKAVLRTPP GAL- VLAVGGG GLLAGVVAGL LEVGWQHVP I AMETHGAHC FNAAITAGKL VTLPDITVA KSLGAKTVAA RALECMQVCK IHSEVEDTE AVSAVQQLD DERMLVEPAC GAALAAIYSG LLRRLQAEGC LPPS-
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SDSL solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.1M NaCl and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**