
Product Data Sheet

Product Name: SDSL Human
 Cat. No.: GP22240
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDGPVA EHAKQEPFHV VTPLLESWAL SQVAGMPVFL KCENVQPSGS FKIRGIGHFC QEMAKKGRH LVCSSGGNAG IAAAYAARKL GIPATIVLPE STSLQVVQRL QGEGAEVQLT GKVWDEANLR AQELAKRDGW ENVPPFDHPL IWKGHASLVQ ELKAVLRTPP GALVLAVGGG GLLAGVVAGL LEVGWQHVPI IAMETHGAHC FNAAITAGKL VTLPDITSVA KSLGAKTVAA RALECMQVCK IHSEVVEDTE AVSAVQQLD DERMLVEPAC GAALAAIYSG LLRRLQAEGC LPPSLTSVVV IVCGGNNINS RELQALKTHL GQV.		
Formulation	The SDSL solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.1M NaCl and 10% glycerol.		

Introduction

SDSL belongs to the serine/threonine dehydratase family and function as a serine-specific dehydratase. SDSL utilizes pyridoxal phosphate and is one of three key enzymes which take part in the metabolism of Glycine and serine.

Stability

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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kDa.SDSL is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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