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SDSL Human

Catalog #:ENPS-187

For research use only.

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.

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.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMDGPVA EHAKQEPFHV VTPLLESWAL SQVAGMPVFL KCENVQPSGS FKIRGIGHFC QEMAKKGCRH LVCSSGGNAG IAAAYAARKL GIPATIVLPE STSLQVVQRL QGEGAEVQLT GKVWDEANLR AQELAKRDGW ENVPPFDHPL IWKGHASLVQ ELKAVLRTPP GALVLAVGGG GLLAGVVAGL LEVGWQHVPI IAMETHGAHC FN

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The SDSL solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.1M NaCl and 10% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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

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