

SDSL, 1-329aa, Human, His tag, E.coli

Cat.NO.: TP03876

3th Edition

Synonyms: Serine dehydratase-like, SDH 2, SDS-RS1, TDH.

Description: SDSL (serine dehydratase-like) is like L-serine dehydratase, uses pyridoxal phosphate. L-serine dehydratase, known simply as serine dehydratase (SDS), is one of three main enzymes that are involved in the metabolism of Glycine and serine. One of several members of the serine/threonine dehydratase family, SDSL may function as a serinespecific dehydratase that plays a role in protein metabolism. It has low serine dehydratase and threonine dehydratase activity. Recombinant human SDSL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl

Molecular Weight: 37.3kDa (353aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMDGPVAEHAKQEPFHVVTPLESWALSQVAGMPVFLKCENVQPSGSFKI
RGIGHFCQEMAKKGCRLVCSSGGNAGIAAAYAARKLGIPATIVLPSTSLQVVQRLQGEAEVQLTGKVVDEANL
RAQELAKRDGWENVPPFDHPLIWKGHASLVQELKAVLRTPPGALVLAVGGGGLLAGVVAGLLEVGWQHVPIIAME
THGAHCFNAAITAGKLVTLPDITSVAKSLGAKTVAARALECMQVCKIHSEVVEDTEAVSAVQQLLDDERMLVEPACG
AALAAIYSGLLRRLQAEGCLPPSLTSVVVIVCGGNNINSRELQALKTHLGQV

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.