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Recombinant human SDSL protein

Catalog Number: ATGP1245

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-329aa

UniProt No.

096GA7

NCBI Accession No.

NP 612441

Alternative Names

Serine dehydratase-like, SDH 2, SDS-RS1, TDH

PRODUCT SPECIFICATION

Molecular Weight

37.3 kDa (353aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.



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Amino acid Sequence

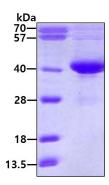
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General References

Yamada T., et al. (2008) Biochim. Biophys. Acta 1780:809-818 Xue, H.H., et al. (1999) J. Biol. Chem. 274: 16028-16033.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

