

SlyD E.Coli

Description: SlyD Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 196 amino acids and having a molecular mass of 21 kDa.

Catalog #: ENPS-345

Synonyms: FKBP-Type Peptidyl-Prolyl Cis-Trans Isomerase, SlyD.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MKVAKDLVVS LAYQVRTDG VLVDESPVSA PLDYLHGHGS
LISGLETALE GHEVGDKFDV AVGANDAYGQ YDENLVQRVP KDVFMGVDEL QVGMFLAET
DQGPVPVEIT AVEDDHVVVD GNHMLAGQNL KFNVEVVAIR EATEEELAAG HVHGAHDHGH
DHDHDGCCGG HGHDHGHEHG GEGCCGGKGN GCGCH.

Purity: Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

SlyD protein solution contains 20mM Tris pH-7.5.

Stability:

SlyD although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

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

Introduction:

SlyD accession#: NP_755987 is a putative folding helper protein from the Escherichia coli cytosol, which has N-terminal prolyl isomerase domain of the FKBP type and a most likely unstructured C-terminal tail. SlyD is an important factor in the biosynthesis of the metal cluster in the [NiFe]-hydrogenase enzymes, and exhibits several activities including that of a peptidyl-prolyl isomerase.

Biological Activity:

Specific activity is >220 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

To place an order, please [Click HERE](#).