



## Product Datasheet

<b>Product Name</b>	FKBP-Type Peptidyl-Prolyl Cis-Trans Isomerase E.Coli Recombinant
<b>Cata No</b>	CB500514
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	FKBP-Type Peptidyl-Prolyl Cis-Trans Isomerase, SlyD.

### Description

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.

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.

### Physical Appearance

Sterile Filtered colorless solution.

### 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.**

### Sequence

MKVAKDLVVS LAYQVRTEDG VLVDESPVSA  
PLDYLHGHGS LISGLETEALE GHEVGDKFDV  
AVGANDAYGQ YDENLVQRVP KDVFMGVDEL  
QVGMRFLAET DQGPVPVEIT AVEDDHVVVD  
GNHMLAGQNL KFNVEVVAIR EATEEELAAG  
HVHGAHDHHH DHDHDGCCGG HGHDHGHEHG  
GEGCCGGKGN GGCGCH.