

## 32-2811: SlyD E.Coli Recombinant Protein

**Alternative Name :** FKBP-Type Peptidyl-Prolyl Cis-Trans Isomerase,SlyD.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	SlyD protein solution contains 20mM Tris pH-7.5.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MKVAKDLVVS LAYQVRTEDG VLVDESPVSA PLDYLHGHGS LISGLETAL E GHEVGDKFDV AVGANDAYGQ YDENLVQRVP KDVFMGVDEL QVGMRF LAET DQGPVPVEIT AVEDDHVVVD GNHMLAGQNL KFNVEVVAIR EATEEELAHG HVHGAHDHHH DHDHDGCCGG HGHDHGHEHG GEGCCGGKGN GGCGCH.

### Application Note

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.

