# NKMAXBIO We support you, we believe in your research

## Recombinant E.coli SlyD protein

Catalog Number: SLD0801

## PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-196aa

#### UniProt No.

P0A9K9

#### **NCBI Accession No.**

NP 755987

#### **Alternative Names**

FKBP-type peptidyl-prolyl cis-trans isomerase, FKBP-type peptidyl-prolyl cis-trans isomerase, SlyD, FKBP-type peptidyl-prolyl cis-trans isomerase FKBP type peptidyl prolyl cis trans isomerase slyD, Histidine rich protein, PPlase, Rotamase, WHP.

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

21 kDa (196aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

## **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 7.5)

## **Purity**

> 95% by SDS-PAGE

## **Biological Activity**

Specific activity is > 700nmol/min/mg, and is defined as the amount of enzyme cleaves 1nmol of suc-AAPF-pNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.

#### Tag

Non-Tagged

### **Application**

SDS-PAGE, Enzyme Activity

## **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**

SlyD is a putative folding helper protein from the Escherichia coli cytosol, which consists of an N-terminal prolyl



## NKMAXBio We support you, we believe in your research

## Recombinant E.coli SlyD protein

Catalog Number: SLD0801

isomerase domain of the FKBP type and a presumably unstructured C-terminal tail. It is involved in the biosynthesis of the metal cluster in the [NiFe]-hydrogenase enzymes, and exhibits several activities including that of a peptidyl-prolyl isomerase. Recombinant E. Coli slyD was expressed in E. coli and purified by conventional chromatography.

## **Amino acid Sequence**

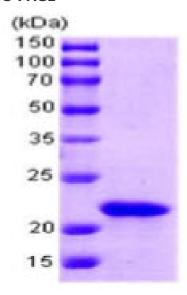
MKVAKDLVVS LAYQVRTEDG VLVDESPVSA PLDYLHGHGS LISGLETALE GHEVGDKFDV AVGANDAYGQ YDENLVQRVP KDVFMGVDEL QVGMRFLAET DQGPVPVEIT AVEDDHVVVD GNHMLAGQNL KFNVEVVAIR EATEEELAHG HVHGAHDHHH DHDHDGCCGG HGHDHGHEHG GEGCCGGKGN GGCGCH

#### **General References**

Zhang JW., et al. (2007) J Bacteriol. 189(21):7942-4. Scholz C., et al. (2006) Biochemistry. 45(1):20-33.

### **DATA**

### **SDS-PAGE**



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

15% SDS-PAGE (3ug)