E.Coli Recombinant SlyD

CATALOG #: 6366-100 100 µg

ALTERNATE NAMES: FKBP-type peptidyl-prolyl cis-trans isomerase.

SOURCE: E.Coli

PURITY: > 95% by SDS - PAGE

MOL. WEIGHT: 21 kDa (196 aa, 1-196 aa)

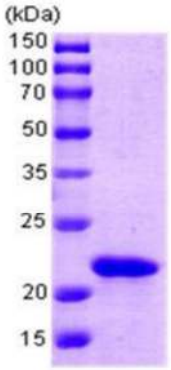
FORMULATION: 1 mg/ml solution in 20 mM Tris-HCl (pH 7.5).

STORAGE CONDITIONS:
Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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

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

BIOLOGICAL ACTIVITY:
Specific activity is > 220 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 µmole of Suc-AAFP-pNA per minute at 25°C in Tris HCl pH 8.0 using chymotrypsin.



15% SDS-PAGE (3ug)

E.Coli Recombinant SlyD

RELATED PRODUCTS:

- FKBP12 Antibody **(Cat. No. 3635-100)**
- FKBP12 Blocking Peptide **(Cat. No. 3635BP-50)**
- FKBP38 Antibody **(Cat. No. 3666-100)**
- FKBP38 Blocking Peptide **(Cat. No. 3666BP-50)**
- FKBP52/Hsp56 Antibody **(Cat. No. 3880-100)**
- FKBP52/Hsp56 Blocking Peptide **(Cat. No. 3880BP-50)**
- Human recombinant FKBP1a **(Cat. No. 6340-100)**
- Human recombinant FKBP1B **(Cat. No. 6341-100)**
- Human recombinant FKBP3 **(Cat. No. 6342-100)**
- Human recombinant FKBP4 **(Cat. No. 6343-100)**
- Human recombinant FKBP6 **(Cat. No. 6344-100)**
- Human recombinant FKBPL **(Cat. No. 6345-100)**
- Human recombinant FKBP2 **(Cat. No. 6353-100)**
- Human recombinant FKBP14 **(Cat. No. 6354-100)**

FOR RESEARCH USE ONLY! Not to be used in humans.