

KBP-Type Peptidyl-Prolyl Cis-Trans Isomerase, Recombinant

Cat. No. NATE-0852

Lot. No. (See product label)

Introduction

Description

SlyD 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.

Synonyms

FKBP-Type Peptidyl-Prolyl Cis-Trans Isomerase; SlyD

Product Information

Source

E. coli

Appearance

Sterile Filtered colorless solution.

Molecular Weight

21 kDa

Purity

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

Activity

> 66 nmoles/min/ug

Buffer

SlyD protein solution contains 20mM Tris pH-7.5.

Unit Definition

Specific activity is defined as the amount of enzyme that cleave 1umole of suc-AAFP-pNA per minute at 1C in Tris-Hcl pH8.0 using chymotrypsin.

Storage and Shipping Information

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.