Creative Enzymes®

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.