

## 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.