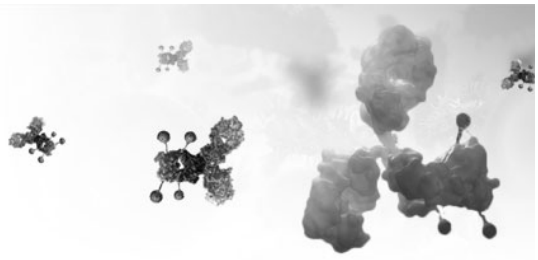

E. coli Active slyD (full length) (DAG-P2829)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Active E. coli slyD full length protein
Antigen Description	slyD belongs to the FKBP-type PPIase family.Required for lysis of phiX174 infected cells. It binds nickel and zinc with high affinity and 1:1 stoichiometry, copper and cobalt with lower affinity. No binding is detectable for ferrous, ferric, magnesium and calcium ions. The activity of slyD is considerably smaller than the one found in other PPIases with the same substrate. The substrate specificity carried out with 'suc-Ala-Xaa-Pro-Phe-4NA', where Xaa is the AA tested, was found to be Phe > Ala > Leu.
Nature	Recombinant
Expression System	E. coli
Species	E. coli
Purity	> 95 % by SDS-PAGE.This antigen is purified by conventional chromatography.
Conjugate	Unconjugated
Applications	SDS-PAGE FuncS
Cellular Localization	Cytoplasmic
Bio-activity	Specific activity is > 220 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 umole of suc-AAFP-pNA per minute at 25°C in Tris-Hcl pH8.0 using chymotrypsin. Activity Assay
Procedure	None
Format	Liquid
Buffer	Preservative: None Constituents: 20mM Tris, pH 7.5

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Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 20mM Tris, pH 7.5 This product is an active protein and may elicit a biological response in vivo, handle with

BACKGROUND

Introduction	Escherichia coli; commonly abbreviated E. coli) is a gram-negative, facultatively anaerobic, rod-shaped bacterium of the genus Escherichia that is commonly found in the lower intestine of warm-blooded organisms (endotherms). Most E. coli strains are harml
Keywords	FKBP type peptidyl prolyl cis trans isomerase slyD; Histidine rich protein; PPIase; Rotamase; WHP; E. coli slyD; Escherichia coli slyD

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