

Peptidoglycan lytic exotransglycosylase 102A from E. coli, Recombinant

Cat. No. NATE-1531

Lot. No. (See product label)

Introduction

Description

Peptidoglycan lytic exotransglycosylase is an enzyme that participates in the exolytic cleavage of the 1-4- β -glycosidic linkage between N-acetylmuramic acid (MurNAc) and N-acetylglucosamine (GlcNAc) residues in peptidoglycan, from either the reducing or the non-reducing ends of the peptidoglycchains, with concomitant formation of a 1,6-anhydrobond in the MurNAc residue.

Synonyms

Peptidoglycan lytic exo-transglycosylase; Peptidoglycan lytic transglycosylase

Product Information

Species

E. coli

Source

E. coli

Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl₂, 0.02% sodium azide and 25% (v/v) glycerol

Molecular Weight

38.3 kDa

Purity

>90% as judged by SDS-PAGE

Concentration

0.25 mg/mL

Optimum pH

4.0-4.5

Optimum temperature

30 °C

Specificity

Murein glycan strands and insoluble, high-molecular weight murein sacculi

Storage and Shipping Information

Storage

This enzyme is shipped at room temperature but should be stored at -20 °C.