

β-Agarase I from E. coli, Recombinant

Cat. No. NATE-1282

Lot. No. (See product label)

Introduction

Description Recombinant Agarase I from E. coli for research on agar hydrolysis and enzymatic mechanisms. Perfect for microbiology and molecular biology studies. Creative Enzymes delivers trusted products.

Applications β-Agarase I digests agarose, releasing trapped DNA and producing carbohydrate molecules which can no longer gel. β-Agarase I can be used to purify both large (> 50 kb) and small (< 50 kb) fragments of DNA from gels. The remaining carbohydrate molecules and β-Agarase I will not, in general, interfere with subsequent DNA manipulations such as restriction endonuclease digestion, ligation, and transformation.

Synonyms agarase; AgaA; AgaB; endo-β-agarase; agarose 3-glycanohydrolase; EC 3.2.1.81; 37288-57-6

Product Information

Species E. coli

Source E. coli

Form 50 mM Bis Tris-HCl (pH 6.5), 1 mM Na₂EDTA and 50% glycerol.

Concentration 1,000 units/ml

Unit Definition One unit is defined as the amount of enzyme required to digest 200 μl of molten low melting point or NuSieve agarose to nonprecipitable neoagaro-oligosaccharides in 1 hour at 42°C.

Storage and Shipping Information

Storage at -20°C