

## **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.

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Applications β-Agarase I digests agarose, releasing trapped DNA and producing carbohydrate molecules which can

no longer gel.  $\beta$ -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  $\beta$ -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 One unit is defined as the amount of enzyme required to digest 200 μl of molten low melting point or

**Definition** NuSieve agarose to nonprecipitable neoagaro-oligosaccharides in 1 hour at 42°C.

## Storage and Shipping Information

**Storage** at -20°C

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