

## Pullulanase 13A from *Thermotoga maritima*, Recombinant

Cat. No. NATE-1448

Lot. No. (See product label)

### Introduction

**Description** Pullulanase is a lipoprotein generated as a precursor containing a 19-amino acid signal peptide followed by a palmitate-modified cysteine residue. The signal peptide gets cleaved prior to secretion into the extracellular matrix.

**Synonyms** Pullulanase; EC 3.2.1.41; limit dextrinase (erroneous); amylopectin 6-glucohydrolase; bacterial debranching enzyme; debranching enzyme;  $\alpha$ -dextrin endo-1,6- $\alpha$ -glucosidase; R-enzyme; pullulan  $\alpha$ -1,6-glucohydrolase; 9075-68-7; Pullulanase M2

### Product Information

<b>Species</b>	Thermotoga maritima
<b>Source</b>	E. coli
<b>Form</b>	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl <sub>2</sub> , 0.02% sodium azide and 25% (v/v) glycerol
<b>EC Number</b>	EC 3.2.1.41
<b>CAS No.</b>	9075-68-7
<b>Molecular Weight</b>	59.2 kDa
<b>Purity</b>	>90% by SDS-PAGE
<b>Concentration</b>	0.25 mg/mL
<b>Optimum pH</b>	5.9
<b>Optimum temperature</b>	90 °C
<b>Specificity</b>	Pullulan

### Storage and Shipping Information

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