

## Amylomaltase 13A from *Thermotoga neapolitana*, Recombinant

Cat. No. NATE-1299

Lot. No. (See product label)

### Introduction

**Description** Amylomaltase (4- $\alpha$ -glucanotransferase; EC 2.4.1.25) catalyzes glucan transfer from one  $\alpha$ -1,4-glucan to another  $\alpha$ -1,4-glucan or to glucose.

**Synonyms** EC 2.4.1.25; Amylomaltase; 4-alpha-glucanotransferase; disproportionating enzyme; dextrin glycosyltransferase; D-enzyme; debranching enzyme maltodextrin glycosyltransferase; dextrin transglycosylase; 1,4-alpha-D-glucan:1,4-alpha-D-glucan 4-alpha-D-glycosyltransferase

### Product Information

**Species** *Thermotoga neapolitana*

**Source** *E. coli*

**Form** 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

**EC Number** EC 2.4.1.25

**CAS No.** 9032-09-1

**Molecular Weight** 54.0 kDa

**Purity** >90% by SDS-PAGE

**Concentration** 1 mg/mL

**Optimum pH** 7

**Optimum temperature** 65 °C

**Specificity** 1,4- $\alpha$ -glycoside bonds in oligomeric and polymeric 1,4- $\alpha$ -glucans

### Storage and Shipping Information

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