

Amylase 13A from Streptococcus mutans, Recombinant

Cat. No. NATE-1301

Lot. No. (See product label)

Introduction

Description

α -Amylase is a protein enzyme EC 3.2.1.1 that hydrolyses alpha bonds of large, alpha-linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. It is the major form of amylase found in Humans and other mammals. It is also present in seeds containing starch as a food reserve, and is secreted by many fungi.

Synonyms

glycogenase; α amylase, α -amylase; 1,4- α -D-glucan glucanohydrolase; EC 3.2.1.1; 9001-19-8; endoamylase; Taka-amylase A

Product Information

Species

Streptococcus mutans

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

EC Number

EC 3.2.1.1

CAS No.

9000-90-2

Molecular Weight

58.4 kDa

Purity

>90% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

7.5

Optimum temperature

37 °C

Specificity

Starch

Storage and Shipping Information

Storage

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