

Amylase 13A from Escherichia coli, Recombinant

Cat. No. NATE-1304

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 Escherichia coli

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 58.6 kDa

Purity >90% by SDS-PAGE

Concentration 1 mg/mL

Optimum pH 7

Optimum temperature 55 °C

Specificity α -1,4-glycosidic linkage from glycogen, starch, or related polysaccharides to produce glucose, oligosaccharides and dextrins

Storage and Shipping Information

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