

α-Amylase from Escherichia coli, Recombinant

Cat. No. NATE-1174

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

Product Information

Source Escherichia coli str. K-12 substr. W3110

Form Supplied in 3.2 M ammonium sulphate

EC Number EC 3.2.1.1

CAS No. 9000-90-2

Molecular Weight 60459.5 Da

Purity > 95 % as judged by SDS-PAGE

Activity 23.61 U/mg

Concentration 158 U/ml

Optimum temperature > 37°C

Unit Definition One unit is defined as the amount of enzyme required to release 1 μmol of D-glucose equivalents per minute from soluble starch.

Storage and Shipping Information

Storage Store at 4°C (shipped at room temperature)