

Endo-arabinanase from *Streptomyces coelicolor*, Recombinant

Cat. No. NATE-1205

Lot. No. (See product label)

Introduction

Description

Arabinan endo-1,5- α -L-arabinanase is an enzyme with system name 5- α -L-arabinan 5- α -L-arabinanohydrolase. This enzyme catalyses the following chemical reaction: Endohydrolysis of (1 \rightarrow 5)- α -arabinofuranosidic linkages in (1 \rightarrow 5)-arabinans. This enzyme is most active on linear 1,5- α -L-arabinan.

Synonyms

EC 3.2.1.99; endo-exo-Arabinanase; endo-1,5- α -L-arabinanase; endo- α -1,5-arabanase; endo-arabanase; 1,5- α -L-arabinan 1,5- α -L arabinanohydrolase

Product Information

Source

Streptomyces coelicolor

Form

Supplied in 3.2 M ammonium sulphate

EC Number

EC 3.2.1.99

Molecular Weight

33858.2 Da

Purity

> 80 % as judged by SDS-PAGE

Activity

16.05 U/mg

Concentration

73.76 U/ml

Optimum pH

6

Optimum temperature

> 35°C

Unit Definition

One unit is defined as the amount of enzyme required to release 1 μ mol of D-glucose equivalents per minute from sugar beet arabinan (4.00 mg/mL) in 50 mM sodium acetate buffer, pH 6.0, containing 1.0 mg/mL BSA, at 35°C, and using the DNSA assay method of Miller to follow reducing sugar liberated at 575 nm.

Storage and Shipping Information

Storage

Store at 4°C (shipped at room temperature)