

α-agarase

Cat. No. EXWM-3841

Lot. No. (See product label)

Introduction

Description

Requires Ca²⁺. The enzyme from *Thalassomonas* sp. can use agarose, agarohexaose and neoagarohexaose as substrate. The products of agarohexaose hydrolysis are dimers and tetramers, with agarotetraose being the predominant product, whereas hydrolysis of neoagarohexaose gives rise to two types of trimer. While the enzyme can also hydrolyse the highly sulfated agarose porphyran very efficiently, it cannot hydrolyse the related compounds κ-carrageenan (see EC 3.2.1.83) and ι-carrageenan (see EC 3.2.1.157). See also EC 3.2.1.81, β-agarase.

Synonyms

agarase (ambiguous); agaraseA33

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.2.1.158

CAS No.

63952-00-1

Reaction

Endohydrolysis of (1→3)-α-L-galactosidic linkages in agarose, yielding agarotetraose as the major product

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.