

Hyaluronate lyase from Streptococcus equi, Recombinant

Cat. No. NATE-1210

Lot. No. (See product label)

Introduction

Description

Hyaluronate lyase degrades hyaluronate using an elimination reaction to break glycosidic linkages yielding unsaturated disaccharide products.

Synonyms

hyaluronidase; glucuronoglycosaminoglycan lyase; spreading factor; mucinase; 37259-53-3; EC 4.2.2.1; hyaluronate lyase

Product Information

Source

Streptococcus equi 4047

Form

Supplied in 3.2 M ammonium sulphate

EC Number

EC 4.2.2.1

CAS No.

37259-53-3

Molecular Weight

38447.1 Da

Purity

> 95 % as judged by SDS-PAGE

Activity

4.6 U/mg

Concentration

8 U/ml

Optimum pH

~ 6.0

Optimum temperature

37°C

Unit Definition

One unit is defined as the amount of enzyme required to release 1µmol of 4,5-unsaturated product per minute from 1 mg/mL hyaluronic acid in 50 mM sodium acetate buffer, pH 6.0, at 37°C, as measured at 232 nm.

Usage and Packaging

Preparation Instructions

Agitate vial sufficiently to fully homogenise enzyme precipitate before use.

Storage and Shipping Information

Storage

Store at 4°C (shipped at room temperature)