

Hyaluronate lyase from *Streptomyces coelicolor*, Recombinant

Cat. No. NATE-1211

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 Streptomyces coelicolor A3(2)

Form Supplied in 3.2 M ammonium sulphate

EC Number EC 4.2.2.1

CAS No. 37259-53-3

Molecular Weight 82914.2 Da

Purity > 95 % as judged by SDS-PAGE

Activity 8.1 U/mg

Concentration 4.8 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)