

## gellan tetrasaccharide unsaturated glucuronyl hydrolase

Cat. No. EXWM-3862

Lot. No. (See product label)

### Introduction

**Description** The enzyme releases 4-deoxy-4(5)-unsaturated D-glucuronic acid from oligosaccharides produced by polysaccharide lyases, e.g. the tetrasaccharide  $\beta$ -D-4-deoxy- $\Delta$ 4-GlcAp-(1 $\rightarrow$ 4)- $\beta$ -D-Glcp-(1 $\rightarrow$ 4)- $\alpha$ -L-Rhap-(1 $\rightarrow$ 3)- $\beta$ -D-Glcp produced by EC 4.2.2.25, gellan lyase. The enzyme can also hydrolyse unsaturated chondroitin and hyaluronate disaccharides ( $\beta$ -D-4-deoxy- $\Delta$ 4-GlcAp-(1 $\rightarrow$ 3)- $\beta$ -D-GalNAc,  $\beta$ -D-4-deoxy- $\Delta$ 4-GlcAp-(1 $\rightarrow$ 3)- $\beta$ -D-GalNAc6S,  $\beta$ -D-4-deoxy- $\Delta$ 4-GlcAp2S-(1 $\rightarrow$ 3)- $\beta$ -D-GalNAc,  $\beta$ -D-4-deoxy- $\Delta$ 4-GlcAp-(1 $\rightarrow$ 3)- $\beta$ -D-GlcNAc), preferring the unsulfated disaccharides to the sulfated disaccharides.

**Synonyms** UGL (ambiguous); unsaturated glucuronyl hydrolase (ambiguous)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.2.1.179

**Reaction**  $\beta$ -D-4-deoxy- $\Delta$ 4-GlcAp-(1 $\rightarrow$ 4)- $\beta$ -D-Glcp-(1 $\rightarrow$ 4)- $\alpha$ -L-Rhap-(1 $\rightarrow$ 3)- $\beta$ -D-Glcp + H<sub>2</sub>O = 5-dehydro-4-deoxy-D-glucuronate +  $\beta$ -D-Glcp-(1 $\rightarrow$ 4)- $\alpha$ -L-Rhap-(1 $\rightarrow$ 3)- $\beta$ -D-Glcp

**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.