

## Xylanase 10A from *Cellvibrio japonicus*, Recombinant

Cat. No. EXCJ-001

Lot. No. (See product label)

### Introduction

#### Description

Xylanase is the name given to a class of enzymes which degrade the linear polysaccharide beta-1,4-xylan into xylose, thus breaking down hemicellulose, one of the major components of plant cell walls. As such, it plays a major role in micro-organisms thriving on plant sources for the degradation of plant matter into usable nutrients. Xylanases are produced by fungi, bacteria, yeast, marine algae, protozoans, snails, crustaceans, insect, seeds, etc., (mammals do not produce xylanases).

### Product Information

<b>Species</b>	Cellvibrio japonicus
<b>Source</b>	E. coli
<b>Form</b>	Liquid
<b>EC Number</b>	EC 3.2.1.8
<b>CAS No.</b>	9025-57-4
<b>Molecular Weight</b>	57.2 kDa
<b>Purity</b>	>90% as judged by SDS-PAGE
<b>Activity</b>	1,800 U/mg
<b>Concentration</b>	1.5 mg/ml
<b>Optimum pH</b>	7.0-8.0
<b>Optimum temperature</b>	37 °C

### Storage and Shipping Information

**Storage** This enzyme is shipped at room temperature but should be stored at -20 °C.