

## High Purity Beta-D-Xylosidase

### Product Information

<b>Cat#</b>	DIA-511
<b>Source</b>	Selenomonas ruminantium
<b>Description</b>	High purity recombinant exo-1,4- $\beta$ -D-xylosidase from Selenomonas ruminantium for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Suspension
<b>CAS No.</b>	9025-53-0
<b>Activity</b>	~ 90 U/mg (40 °C, pH 5.3 on pNP- $\beta$ -D-xylanopyranoside)
<b>Unit Definition</b>	One unit of $\beta$ -xylosidase activity is defined as the amount of enzyme required to release one $\mu$ mole of p-nitrophenol (pNP) per minute from p-nitrophenyl- $\beta$ -D-xylopyranoside (5 mM) in sodium succinate buffer (50 mM), pH 5.3 at 40 °C.
<b>Storage</b>	2–8 °C
<b>Synonyms</b>	Xylan 1,4- $\beta$ -xylosidase; 4- $\beta$ -D-xylan xylohydrolase
<b>Enzyme Commission Number</b>	EC 3.2.1.37
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Optimum temperature</b>	50 °C
<b>Buffer</b>	3.2 M ammonium sulphate
<b>Applications</b>	Applications in carbohydrate and biofuels research.
<b>Molecular Weight</b>	61900 Da
<b>Concentration</b>	~ 500 U/mL
<b>Specificity</b>	Hydrolysis of (1,4)- $\beta$ -D-xylans and xylo-oligosaccharides to remove successive D-xylose residues from non-reducing termini.