



Product Information

Recombinant *Thermotoga maritima* α -glucuronidase 4A

Cat. No.: X23-08-YM170

Size: 0.25 mg; 0.50 mg; 0.75 mg; 1 mg

Enzyme Commission Number: 3.2.1.139

Synonym: *TmAgu4A*; Alpha-D-glucosiduronate glucuronohydrolase

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Recombinant <i>Thermotoga maritima</i> α -glucuronidase 4A produced by <i>Escherichia coli</i> , breaks down the α -1,2 glycosidic bond between D-glucuronic acid or 4-O-methyl-D-glucuronic acid and terminal non-reducing D-xylose residues found in xylo-oligosaccharides (aldo-uronic acids) and xylan.
Expression System	<i>Escherichia coli</i>
Species	<i>Thermotoga maritima</i>
Concentration	0.25 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Glucuronidases
Buffer	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl ₂ , and 25% (v/v) glycerol
Applications	Recombinant <i>Thermotoga maritima</i> α -glucuronidase 4A can be used in the paper pulp industry and preparation of xylans for pharmaceutical and cosmetic formulations. It has the ability to hydrolyze 4-nitrophenyl- α -D-glucuronopyranoside.
Storage	Store at -20°C.