

Active Recombinant *Canavalia ensiformis* α 1-2,3,6 Mannosidase

Cat. No. Mannosidase-10C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant enzyme with no detectable endoglycosidase or other exoglycosidase contaminating activities
Species	<i>Canavalia ensiformis</i>
Source	<i>Pichia pastoris</i>
Description	α 1-2,3,6 Mannosidase is a broad specificity exoglycosidase that catalyzes the hydrolysis of terminal, non-reducing α 1-2, α 1-3 and α 1-6 linked mannose residues from oligosaccharides.
Molecular Mass	110 kDa
Purity	$\geq 95\%$ purity, as determined by SDS-PAGE and intact ESI-MS
Reaction conditions	1 $\times$ GlycoBuffer 4 Supplement with 1 $\times$ Zinc Incubate at 37 centigrade 1 $\times$ GlycoBuffer 4: 50 mM sodium acetate (pH 4.5 at 25 centigrade)
Unit definition	One unit is defined as the amount of enzyme required to hydrolyze more than 95% of the terminal mannose from 1 nmol of Man(α 1,3)-Man(β 1,4)-GlcNAc-7-amino-4-methyl-coumarin (AMC) in a total reaction volume of 10 μ L at 37 centigrade within 1 hour.
Storage Buffer	20 mM Tris-HCl 50 mM NaCl pH 7.5 at 25 centigrade

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Heat inactivation	95 centigrade for 10 minutes
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GENE INFORMATION

Official Symbol	α 1-2,3,6 Mannosidase
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Synonyms	α 1-2,3,6 Mannosidase
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