



## Product Information

### Recombinant *Caulobacter* sp. $\alpha$ -mannosidase 47A

**Cat. No.:** X23-08-YM452

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

**Enzyme Commission Number:** 3.2.1.113

**Synonym:** CMns47A; 1,2-Alpha-mannosidase; Alpha-D-mannoside mannohydrolase; Exo-alpha-mannosidase

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

#### Product Information

<b>Description</b>	Recombinant <i>Caulobacter</i> sp. $\alpha$ -mannosidase 47A produced by <i>Escherichia coli</i> , is a glycoside hydrolase and is responsible for cleaving the alpha-mannose.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Caulobacter</i> sp.
<b>Concentration</b>	0.25 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	$\alpha$ -Mannosidases
<b>Buffer</b>	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl <sub>2</sub> , and 25% (v/v) glycerol
<b>Applications</b>	Recombinant <i>Caulobacter</i> sp. $\alpha$ -mannosidase 47A can be used for the digestion of neutral glycans. It has the ability to hydrolyze $\alpha$ -1,2-mannobiose on Man9GlcNAc2.
<b>Storage</b>	Store at -20°C.