

## Alpha-Rhamnosidase from Prokaryote

### Product Information

<b>Cat#</b>	DIA-504
<b>Source</b>	Prokaryote
<b>Description</b>	High purity recombinant $\alpha$ -rhamnosidase (prokaryote) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Suspension
<b>Activity</b>	$\sim$ 110 U/mg (50 °C, pH 6.5 on p-nitrophenyl- $\alpha$ -L-rhamnoside)
<b>CAS No.</b>	37288-35-0
<b>Optimum temperature</b>	50 °C
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Unit Definition</b>	One unit of $\alpha$ -L-rhamnosidase activity is defined as the amount of enzyme required to release one $\mu$ mole of p-nitrophenol (pNP) per minute from p-nitrophenyl- $\alpha$ -rhamnoside (5 mM) in sodium phosphate buffer (100 mM), pH 6.5 at 50 °C.
<b>Storage</b>	2–8 °C
<b>Synonyms</b>	$\alpha$ -L-rhamnosidase; $\alpha$ -L-rhamnoside rhamnolysin
<b>Buffer</b>	3.2 M ammonium sulphate
<b>Applications</b>	Applications in carbohydrate and biofuels research.
<b>Molecular Weight</b>	75400 Da
<b>Concentration</b>	$\sim$ 1500 U/mL
<b>Specificity</b>	Hydrolysis of terminal non-reducing $\alpha$ -L-rhamnose residues in $\alpha$ -L-rhamnosides.