

PRODUCT NUMBER: Rham 143

LOT NUMBER: 383-0101-03



PROKARIA

Rhamnosidase B

I. PRODUCT INFORMATION

Product Information

75 U/mg total protein, at 60°C and pH 7.0 after 10 minutes. 12 U/mg powder

Store at 4°C

Contents: Freeze dried

Purity: ~50% estimated by SDS-PAGE.

Mode of Action

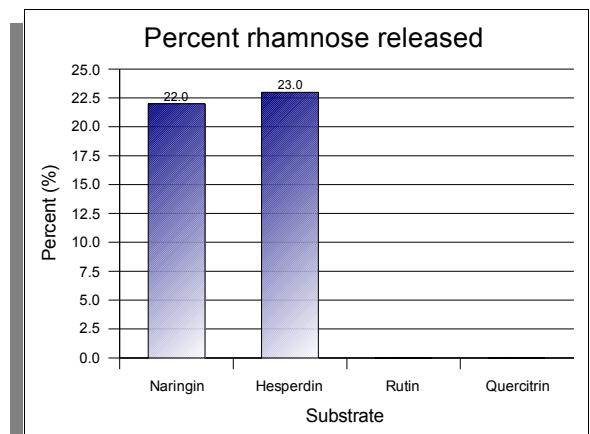
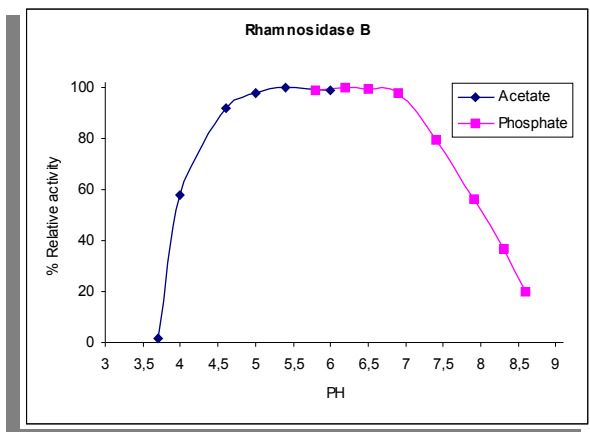
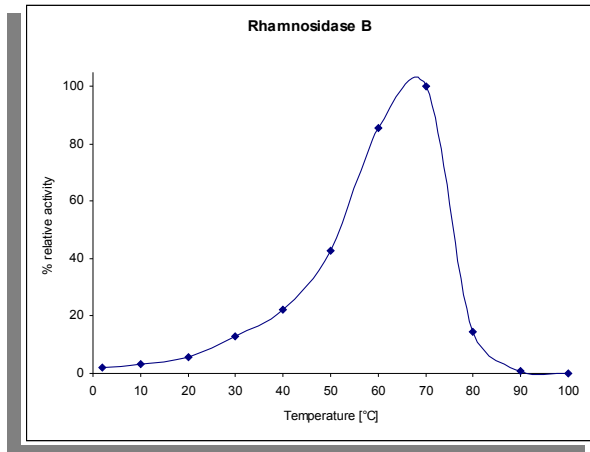
Hydrolysis of terminal non-reducing α -L-rhamnose residues in α -L-rhamnosides, Naringin, Hesperdin.

Unit Definition

One unit (U) of enzyme activity is the amount that leads to the release of 1 μ mol of p-nitro-phenyl- α -L-rhamnopyranoside (pnpR) per minute

Unit Assay Conditions

Rhamnosidase activity was routinely determined in a 100mM KPO₄ pH 7.0 buffer for 10 minutes with 2.0mM final conc. of pnpR.



This product is produced by Prokaria Ltd. Reykjavik, Iceland.

- It is free of biological and chemical hazards
- This product is distributed for laboratory use only

CAUTION

- Nor for diagnostic use
- The safety and efficacy of this product in diagnostic or other clinical use has not been established

Safety handling – All enzymes bear the warning:

- HARMFUL ENZYME-PROTEIN
- Enzymes may cause sensitization by inhalation

Reference

- 1) Birgisson, H., Hreggvidsson, G. O., Fridjónsson, O. H., Mort, A., Kristjánsson, J. K., Mattiasson, B., Two new thermostable α -L-rhamnosidases from a novel thermophilic bacterium. *Enzyme and Microbial Technology* 2004;34:561-571.
- 2) Birgisson, H., Wheat, J. O., Hreggvidsson, G. O., Kristjánsson, J. K., Mattiasson, B. Immobilization of a recombinant *Escherichia coli* producing a thermostable α -l-rhamnosidase: Creation of a bioreactor for hydrolyses of naringin. *Enzyme and Microbial Technology* 2007;40:1181-1187

Limited use statement

The purchase of this product conveys to the buyer the non-transferable right to use the product and components of the product in research conducted by the buyer. The buyer cannot sell or otherwise transfer this product or its components to a third party and in particular, no rights are conveyed to the buyer to use the product or its components for commercial purpose

The information contained in this leaflet is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of any recommendation or suggestions which may be made or that any use will not infringe any patents.