**β-Mannosidase**  
*from snail acetone powder*

**Product Number**: M 9400  
**Storage Temperature**: 2–8 °C

- **CAS** #: 9025-43-8  
- **EC**: 3.2.1.25  
- **Synonyms**: β-D-Mannoside mannohydrolase, β-D-Mannosidase

**Product Description**

This product hydrolyzes terminal mannose residues, which are β-1→4 linked to oligosaccharides or glycopeptides with relative specificity. Other mannose residues linked β-1→3 and β-1→6 are reported to be hydrolyzed at much lower rates.

\[
\text{Manβ1} \rightarrow 4 \text{GlcNAc}
\]

- **Molecular weight**: ∼94 kDa  
- **Isoelectric point (pI)**: 4.7  
- **pH optimum**: 4.0  

The enzyme is supplied as a suspension in 3.0 M ammonium sulfate containing 10 mM sodium acetate, pH ∼4.0.

**Specific activity**: 5–30 units/ml

**Unit Definition**: One unit will hydrolyze 1 µmole of p-nitrophenyl β-D-mannopyranoside to p-nitrophenol and D-mannose per minute at pH 4.0 at 25 °C.

**Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Storage/Stability**

It is recommended to store the product at 2–8 °C.

**References**


AE,MAM 02/05-1

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