



Alpha-(1-2,3,6)-Mannosidase
Alpha-D-Mannoside Mannohydrolase

Source
Jack Bean

Catalog Number
E-AM01

Certification of Analysis Lot Number
401.1G

EC
3.5.1.24

Contents
1 vial: Alpha-(1-2,3,6)-Mannosidase - 60 μ l (0.6 U)
1 vial: 5x Reaction buffer - 250 mM sodium phosphate
pH 5 - 400 μ l

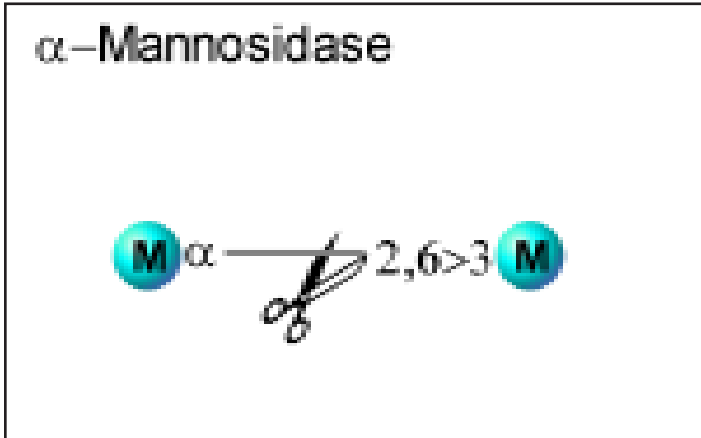
Specific activity >3 U/mg
Activity 10 U/ml

Specific Activity
One unit of Alpha-(1-2,3,6)-Mannosidase is defined as the amount of enzyme required to hydrolyze 1 μ mole of *p*-nitrophenyl-alpha-*p*-mannoside to *p*-nitrophenol in 1 minute at pH 5.0 and 37°C.

Molecular Weight 64 kD
pH optimum: 5

Storage
Store enzyme at 4°C. Do not freeze.

QA-Bio
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Specificity
Cleaves all Alpha-(1-2,3,6)-linked mannose.

Formulation
The enzyme is provided as a sterile-filtered solution in 150mM sodium phosphate pH7.5

Stability
Several days exposure to ambient temperatures will not reduce activity. Stable at least 12 months when stored properly.

Quality & Purity
QA-Bio α -Mannosidase is tested for contaminating protease as follows: 10 μ g of denatured BSA is incubated at 37°C for 24 hours with 2 μ l of enzyme. SDS-PAGE analysis of the treated BSA shows no evidence of degradation.

Enzymes purified from native sources are tested for contaminating exoglycosidases. The absence of exoglycosidase contaminants is confirmed by extended incubations with the corresponding pNP-glycosides.

E-AM01 Specifications - Protocol
Alpha(1-2,3,6) Mannosidase

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Directions for use

1. Add up to 1 nM of oligosaccharide to tube.
2. Add water to 15 μ l
3. Add 4 μ l 5x Reaction Buffer .
4. Add 1.0 μ l of Mannosidase to the reaction. Incubate 10 minutes at 37°C.

Warranties and liabilities

QA-Bio warrants that the above product conforms to the specifications described herein. Should the product fail for reasons other than through misuse QA-Bio will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and QA-Bio makes no other warrants, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose. QA-Bio shall not be liable for any incidental, consequential or contingent damages.

This product is intended for *in vitro* research only.

updated October 1, 2008