Creative Enzymes
Diagnostic Enzymes

Lysosomal Alpha-Mannosidase (MAN2B1)

Product Information

Cat#	DIA-764
Descriptions	Lysosomal Alpha-mannosidase (MAN2B1) catalyzes the hydrolysis of α-linked mannose residues in N-linked glycoprotein oligosaccharides during lysosomal glycoprotein degradation, and its functional deficiency causes alpha-mannosidosis, a lysosomal storage disorder.
Applications	Lysosomal Alpha-mannosidase (MAN2B1) is suitable for alpha-mannosidosis detection kits and lysosomal glycoprotein degradation assay reagent development.
CAS No.	32-1-2459
Enzyme Commission Number	EC 3.2.1.24
Enzyme Source	Human embryonic kidney cell, HEK293-derived human MAN2B1 protein.
Reaction	Hydrolysis of terminal, non-reducing alpha-D-mannose residues in alpha-D-mannosides.
Activity Definition	Measured by its ability to hydrolyze 4-methylumbelliferyl-alpha -D-mannopyranoside under the described conditions.

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