Creative Enzymes
Diagnostic Enzymes

Lysosomal Alpha-Glucosidase (GAA)

Product Information

Cat#	DIA-763
Descriptions	Lysosomal Alpha-Glucosidase (GAA) is an acid α-glucosidase located in lysosomes that hydrolyzes both α-1,4 and α-1,6 glycosidic bonds in glycogen to release glucose, is the deficient enzyme in Pompe disease, and is the core agent for corresponding enzyme replacement therapy.
Applications	Lysosomal Alpha-Glucosidase (GAA) is used for Pompe disease detection kits and glycogen metabolism assay reagent development.
CAS No.	32-1-2056
Enzyme Commission Number	EC 3.2.1.20
Enzyme Source	Human embryonic kidney cell, HEK293-derived human Lysosomal alpha-Glucosidase protein.
Reaction	Hydrolysis of terminal, non-reducing (1->4)-linked alpha-D-glucose residues with release of alpha-D-glucose.
Activity Definition	Measured by its ability to release glucose from starch under the described conditions.

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