

General Alpha-Glucosidase Assay Kit | Hprae_1093 assay kit

Alpha-Glucosidase Microplate Assay Kit

CATALOG # AAA261595	REACTIVITY General	APPLICATIONS Functional Assay
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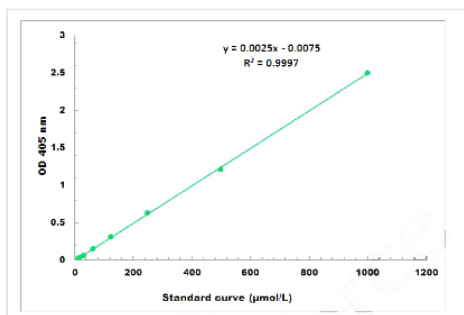
PRODUCT SYNONYMS

Alpha-Glucosidase; Alpha-Glucosidase Microplate Assay Kit; EC 3.2.1.20; Alpha-glucosidase; Acid maltase; Glucoinvertase; Glucosidosucrase; Lysosomal alpha-glucosidase; Maltase; Maltase-glucoamylase; Hprae_1093 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	800
Samples	Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	10 umol/L - 1000 umol/L
Applicable Applications for Hprae_1093 assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hprae_1093 assay kit

Background: alpha-Glucosidase breaks down alpha-1,4 linked polysaccharides to glucose, which can be utilized as a source of energy. In the biotechnology industry, alpha-glucosidase is used to produce glucose from intermediate breakdown products of starch hydrolysis generated by enzymes such as amylase. Pompe disease, one of the 12 known glycogen storage diseases, is an autosomal recessive metabolic disorder attributed to alpha-glucosidase deficiency. In this disease, glycogen accumulates in the lysosomes, resulting in progressive muscle weakness, heart failure and other neurological symptoms. The assay is initiated with the enzymatic hydrolysis of the glucoside by alpha-Glucosidase. The enzyme catalysed reaction products p-nitrophenol, can be measured at a colorimetric readout at 405 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	309389364
Molecular Weight	93,827 Da

NCBI Official Full Name	Alpha-glucosidase
UniProt Protein Name	Alpha-glucosidase
UniProt Gene Name	Hprae_1093
UniProt Entry Name	E3DLP7_HALPG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/alpha-glucosidase/261595>