

General Beta-1,3-Glucanase Assay Kit | BGL2 assay kit

Beta-1,3-Glucanase Microplate Assay Kit

CATALOG # AAA27851	REACTIVITY General	APPLICATIONS Functional Assay
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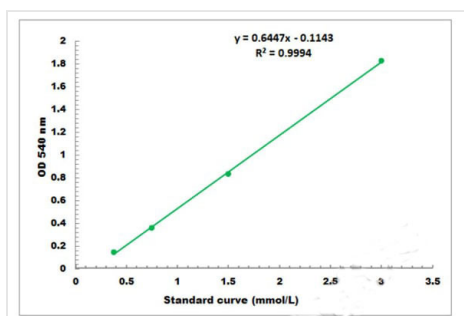
PRODUCT SYNONYMS

Beta-1, 3-Glucanase; 3-Glucanase Microplate Assay Kit; BGL2 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	339
Samples	Tissue extracts, Cell lysate Samples
Detection Range	0.3 mmol/L - 3 mmol/L
Applicable Applications for BGL2 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 BGL2 assay kit

Background: beta-1,3-glucanase (EC 3.2.1.73) mainly exists in plant, and it catalyzes the hydrolysis of beta-1,3-glucoside bond. Plant cells would induced to synthesize large amounts of beta-1,3- glucanase when they are infected or in extreme environments. Thus, beta-1,3- glucanase enzyme assays are widely applied in the research of plant pathology and adversity physiology. beta-1,3-glucanase could hydrolyse laminarin, and cut beta-1,3-glucoside bond to produce reducing terminus. So generating rates of reducing sugar could calculate the activity of enzymes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15230262
NCBI GeneID	824893
NCBI Accession #	NP_191285.1

NCBI GenBank Nucleotide #	NM_115586.2
Molecular Weight	37,339 Da
NCBI Official Full Name	beta 1,3-glucanase 2
NCBI Official Symbol	BGL2
NCBI Official Synonym Symbols	3-GLUCANASE; 3-glucanase 2; 3-GLUCANASE 2; beta-1; BETA-1; BG2; BGL2; PATHOGENESIS-RELATED PROTEIN 2; PR-2; PR2
NCBI Protein Information	beta 1,3-glucanase 2
UniProt Protein Name	Glucan endo-1,3-beta-glucosidase, acidic isoform
UniProt Gene Name	BG2
UniProt Synonym Gene Names	PR-2
UniProt Entry Name	E13A_ARATH

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://www.aaabiotech.com/general-assay-kits/beta-13-glucanase/27851>