

Uridine Diphosphate Glucose Prophosphorylase (UGP) Assay Kit | UGP assay kit

Uridine Diphosphate Glucose Prophosphorylase (UGP) Activity Assay Kit

CATALOG #
AAA179660

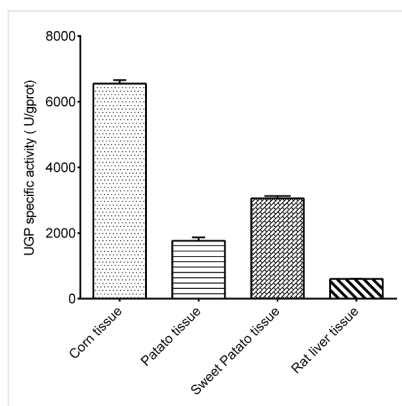
PRODUCT SYNONYMS

Uridine Diphosphate Glucose Prophosphorylase (UGP); Uridine Diphosphate Glucose Prophosphorylase (UGP) Activity Assay Kit; UGP assay kit

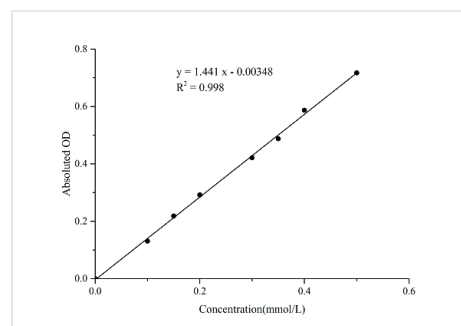
PRODUCT SPECIFICATIONS

Assay Type	Enzyme Activity
Samples	animal tissue, plant tissue
Detection Range	0.5-70.0 U/L
Sensitivity	0.5 U/L
Detection Type	Colorimetric method
Detection Instrument	Microplate reader
Precision	Inter CV: 2.3-3.9% Intra CV: 1.0-3.2%
Research Area	Glycolysis and Lipid Metabolism
Test Principle	Uridine diphosphate glucose pyrophosphorylase (UGP) catalyzes the synthesis of 1-phosphoglucose in the sample into UDP-glucose, and UDP-glucose is catalyzed by the enzyme to produce a color producing substance, which has a maximum absorption peak at about 450 nm. The enzyme activity can be calculated by the increase of OD value at 450 nm.
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES



Application Data



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ADDITIONAL INFORMATION

Product Categories/Family for UGP assay kit	Cell Metabolism Assays; Glycolysis and Lipid Metabolism
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/assay-kits/uridine-diphosphate-glucose-prophosphorylase-ugp/179660>