

Tannase (TAN) Activity Assay Kit | TAN assay kit

Micro Tannase (TAN) Activity Assay Kit

CATALOG #
AAA332612

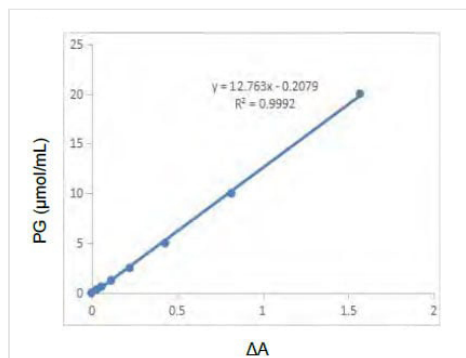
PRODUCT SYNONYMS

Tannase (TAN) Activity; Micro Tannase (TAN) Activity Assay Kit; Tannase; TAN assay kit

PRODUCT SPECIFICATIONS

Samples	Plant Tissues, Fungi, Bacteria
Detection Range	0.3125-20 $\mu\text{mol/mL}$
Sensitivity	0.156 $\mu\text{mol/mL}$
Notes	Tannase, full name is Tannin Acyl Hydrolase (Tannase, EC 3.1.1.20). Tannase exists in tannin-rich plants and also widely exists in microorganisms. Tannase hydrolyses the ester bonds and depside bonds in gallic acid tannins to release gallic acid and glucose. The enzyme can be produced by molds such as <i>Aspergillus Niger</i> , <i>Aspergillus oryzae</i> . It can be used to treat tannin and protein in beer to make it clear and transparent. It can also be used to remove the astringency of persimmon and other products. And it can also be used to make instant tea to prevent turbid fermented tea.
Preparation and Storage	Store at 4 degree C for 6 months, protected from light

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAN assay kit

Principle of the Assay: Tannase, full name is Tannin Acyl Hydrolase (Tannase, EC 3.1.1.20). Tannase exists in tannin-rich plants and also widely exists in microorganisms. Tannase hydrolyses the ester bonds and depside bonds in gallic acid tannins to release gallic acid and glucose. The enzyme can be produced by molds such as *Aspergillus Niger*, *Aspergillus oryzae*. It can be used to treat tannin and protein in beer to make it clear and transparent. It can also be used to remove the astringency of persimmon and other products. And it can also be used to make instant tea to prevent turbid fermented tea. CheKine™ Micro Tannase (TAN) Activity Assay Kit provides a convenient tool for detection of Tannase activity. The principle is to use propyl gallate (PG) as the substrate for the enzymatic reaction of tanninase, which has a characteristic absorption peak at 270 nm. The Tannase activity is measured by the change of absorbance at 270 nm before and after the reaction, and the Tannase activity of the sample can be calculated by measuring the absorbance at 270 nm.

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/assay-kits/tannase-tan-activity/332612>