

ARG82200 beta-N-Acetylglucosaminidase Activity Assay Kit (Colorimetric)

Package: 100 tests
Store at: 4°C, -20°C

Summary

Product Description	ARG82200 beta-N-Acetylglucosaminidase Activity Assay Kit (Colorimetric) can be used to measure beta-N-Acetylglucosaminidase activity in serum, plasma, urine and cell lysate.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	beta-N-Acetylglucosaminidase
Conjugation Note	Read at 405 nm
Sensitivity	0.2 U/L
Detection Range	0.2 - 50 U/L
Sample Type	serum, plasma, urine and cell lysate
Sample Volume	20 µl
Alternate Names	CDD; Natriuretic peptides A; ANF; Cardiodilatin; Cardiodilatin-related peptide; Atrial natriuretic peptide; Prepronatriodilatin; ATFB6; CDP; ATRST2; ANP; CDD-ANF; PND

Application Instructions

Application Note	Please note that this kit does not include a microplate.
Assay Time	30 min

Properties

Form	Liquid
Storage instruction	Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NPPA
Gene Full Name	natriuretic peptide A
Background	The protein encoded by this gene belongs to the natriuretic peptide family. Natriuretic peptides are implicated in the control of extracellular fluid volume and electrolyte homeostasis. This protein is synthesized as a large precursor (containing a signal peptide), which is processed to release a peptide from the N-terminus with similarity to vasoactive peptide, cardiodilatin, and another peptide from the C-terminus with natriuretic-diuretic activity. Mutations in this gene have been associated with atrial fibrillation familial type 6. [provided by RefSeq, Sep 2009]
Function	Hormone playing a key role in cardiovascular homeostasis through regulation of natriuresis, diuresis, and vasodilation. Also plays a role in female pregnancy by promoting trophoblast invasion and spiral artery remodeling in uterus. Specifically binds and stimulates the cGMP production of the NPR1

receptor. Binds the clearance receptor NPR3. [UniProt]

PTM

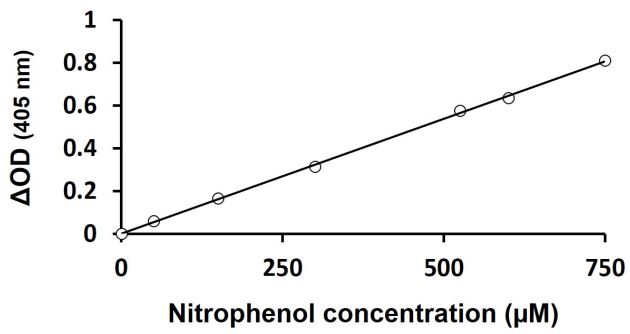
Cleaved by CORIN upon secretion to produce the functional hormone.

Atrial natriuretic factor: Cleaved by MME. The cleavage initiates degradation of the factor and thereby regulate its activity. [UniProt]

Cellular Localization

Secreted. [UniProt]

Images



ARG82200 beta-N-Acetylglucosaminidase Activity Assay Kit (Colorimetric) typical data demonstration image

ARG82200 beta-N-Acetylglucosaminidase Activity Assay Kit (Colorimetric) results of a typical data with optical density reading at 405 nm.