

VNN1/Vanin-1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76127
Synonyms:	Pantetheinase; Pantetheine hydrolase; Vascular non-inflammatory molecule 1; Vanin-1
Species:	Mouse
Source:	HEK293
Accession:	Q9Z0K8 (L24-N488)
Gene ID:	22361
Molecular Weight:	55-70 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Vanin-1 (VNN1) is an amidohydrolase with the specific function of hydrolyzing one of the carboamide linkages in D-pantetheine. This enzymatic activity plays a crucial role in the recycling of pantothenic acid (vitamin B5), ultimately releasing cysteamine. By facilitating the breakdown of D-pantetheine, VNN1 contributes to the metabolic processes involved in maintaining adequate levels of pantothenic acid, a vital component in various biochemical pathways. This enzymatic action underscores the significance of VNN1 in the regulation of vitamin B5 homeostasis and the release of cysteamine, highlighting its role in cellular metabolism.
------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA