antibodies .- online.com





Datasheet for ABIN7319167 **VNN1 Protein (His tag)**

Go to Product page

O	:		
1 1\/△	rvi	\triangle	Λ/
\cup \vee \cup	1 V I		v v

Alternative Name:

Background:

Quantity:	50 μg
Target:	VNN1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VNN1 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human VNN1/Vanin-1 Protein (His Tag)
Sequence:	Gln22-Ser490
Characteristics:	Recombinant Human Vascular Non-Inflammatory Molecule 1 is produced by our Mammalian expression system and the target gene encoding Gln22-Ser490 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	VNN1

Background: Vanin-1 is a cell membrane protein which contains one CN hydrolase domain and

belongs to the CN hydrolase family and BTD/VNN subfamily. Vanin-1 is also a member of the

VNN1/Vanin-1 (VNN1 Products)

Vanin family of proteins, which share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which have been reported to participate in hematopoietic cell trafficking. Vanin-1 is widely expressed with higher expression in spleen, kidney and blood and overexpressed in lesional psoriatic skin. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess pantetheinase activity, which may play a role in oxidative-stress response. Vanin-1 is an epithelial pantetheinase that provides cysteamine to tissue and regulates response to stress. Vanin-1 is expressed by enterocytes, and its absence limits intestinal epithelial cell production of proinflammatory signals. Vanin-1 regulates late adhesion steps of thymus homing under physiological, noninflammatory conditions. The early impact of vanin-1 deficiency on tumor induction was directly correlated to the amount of inflammation and subsequent epithelial proliferation rather than cell death rate. Vanin-1 Molecule was shown to be involved in the control of thymus reconstitution following sub-lethal irradiation.

Synonym: Pantetheinase, Pantetheine Hydrolase, Tiff66, Vascular Non-Inflammatory Molecule 1, Vanin-1, VNN1

Molecular Weight: 53.3 kDa
UniProt: 095497

Pathways: Negative Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.