

## Recombinant Human VNN1 protein, His-tagged

Cat. No. VNN1-7931H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human VNN1 aa. (Leu36~Leu223 (Accession # O95497)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu36~Leu223
<b>Description</b>	<p>This gene encodes a member of the 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. 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. This protein, like its mouse homolog, is likely a GPI-anchored cell surface molecule. The mouse protein is expressed by the perivascular thymic stromal cells and regulates migration of T-cell progenitors to the thymus. This gene lies in close proximity to, and in the same transcriptional orientation as, two other vanin genes on chromosome 6q23-q24.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	23kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)

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<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.1.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	VNN1 vanin 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	VNN1
<b>Synonyms</b>	VNN1; vanin 1; HDLCQ8; Tiff66; pantetheinase; pantetheine hydrolase; vannin 1; vascular non-inflammatory molecule 1
<b>Gene ID</b>	8876

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mRNA Refseq [NM\\_004666.2](#)

Protein Refseq [NP\\_004657.2](#)

UniProt ID [O95497](#)

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