

Recombinant Human VNN1 Protein, His-tagged

Cat. No. VNN1-572H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VNN1 Protein (Gln22-Gly491) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln22-Gly491
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56 kDa Accurate Molecular Mass: 56 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	VNN1 vanin 1 [Homo sapiens (human)]
Official Symbol	VNN1
Synonyms	VNN1; vanin 1; pantetheinase; Tiff66; vanin-1; vannin 1; pantetheine hydrolase; vascular non-inflammatory molecule 1; HDLCQ8; MGC116930; MGC116931; MGC116932; MGC116933
Gene ID	8876
mRNA Refseq	NM_004666
Protein Refseq	NP_004657

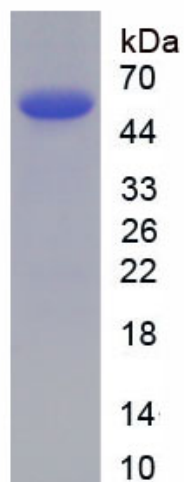
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MIM	603570
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UniProt ID	O95497
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