

Recombinant Mouse VNN1 Protein, Fc-tagged

Cat. No. VNN1-933M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse VNN1 (Q9Z0K8) (Met 1-Ser 487), without the pro peptide, was fused with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-487 a.a.
Predicted N Terminal	Leu 22
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The secreted recombinant mouse VNN1/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 705 amino acids and has a calculated molecular mass of 79 kDa. As a result of glycosylation, the apparent molecular mass of rmVNN1/Fc monomer is approximately 85-90 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>96 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Vnn1 vanin 1 \[Mus musculus \]](#)

Official Symbol [VNN1](#)

Synonyms VNN1; vanin 1; pantetheinase; vanin-1; pantetheine hydrolase; vascular non-inflammatory molecule 1; V-1;

Gene ID [22361](#)

mRNA Refseq [NM_011704](#)

Protein Refseq [NP_035834](#)

MIM

UniProt ID

Pathway Pantothenate and CoA biosynthesis, organism-specific biosystem; Pantothenate and CoA biosynthesis, conserved biosystem;

Function GPI anchor binding; hydrolase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides; pantetheine hydrolase activity;

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