

Active Recombinant Human VNN1 protein, His-tagged

Cat. No. VNN1-3229H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VNN1 protein(NP_004657.2)(Met1-Ser490), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser490
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to hydrolyze pantetheine to pantothenate and cysteamine. The specific activity is >3000 pmol/min/μg.
Molecular Mass	The recombinant human VNN1 consists of 480 amino acids and has a predicted molecular mass of 53.7 kDa. It migrates as an approximately 70-75 kDa band in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name VNN1 vanin 1 [Homo sapiens]

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

UniProt ID O95497

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