



Vanin 1 Human Recombinant

Item Number	rAP-4199
Synonyms	Vanin 1, Vascular Non-Inflammatory Molecule 1, Pantetheine Hydrolase, EC 3.5.1.92, Vanin-1, HDLCQ8, Tiff66, Pantetheinase, Vannin 1, EC 3.5.1, VNN1.
Description	VNN1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Gln22-Gly491) containing 480 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 53.5kDa.
Uniprot Accesion Number	O95497
Amino Acid Sequence	MKHHHHHSHASQDTFTAAYVE HAAILPNATL TPVSREEALA LMNRNLDILE GAITSAADQG AHIIVTPEDA IYGNWFNRDS LYPYLEDIPD PEVNWIPCNN RNRFGQTPVQ ERLSCLAKNN SIYVVANIGD KKPCDTSDPQ CPPDGRYQYN TDVVFDSQ GK LVARYHKQNL FMGENQFNVP KEPEIVTFNT TFGS-FGIFTC FDILFHDP AV TLVKDFHVDI IVFPTAWMNV LPHLSAVEFH SAWAMGM RVN FLASNIHYPS KKMTGSGIYA PNSSRAFHYD MKTEEGKLLL SQLD SHPSHS AVVNWTSYAS SIEALSSGNK EFKGT VFF-DE FTFV KLTGVA GNYTVCQKDL CCHLSYKMSE NIPNEVYALG AFDGLHTVEG RYYLQICTLL KCKTT-
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	VNN1 was filtered (0.4 µm) and lyophilized in 20mM Tris buffer, 50mM NaCl and 0.1% amisoft CS-22, pH 7.5. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 200µl of deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. VNN1 is not sterile! Please filter the product by an appropriate sterile filter before use.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**