



Recombinant Human Pantetheinase (VNN1)

Product Code	CSB-EP025883HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O95497
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	QDTFTAAYV EHAAILPNAT LTPVSREEAL ALMNRNLDIL EGAITSAADQ GAHIIVTPED AIYGWNFNDRD SLYPYLEDIP DPEVNWIPCN NNRNFGQTPV QERLSCLAKN NSIYVVANIG DKKPCDTS DP QCPPDGRYQY NTDVVFD SQG KLVARYHKQN LFMGENQFNV PKEPEIVTFN TTFGSFGIFT CFDILFHDP A VTLVKDFHVD TIVFPTAWMN VLP HLSAVEF HSAWAMGMRV NFLASNIHYP SKKMTGSGIY APNSSRAFHY DMKTEEGKLL LSQLD SHPSH SAVVNWTSYA SSIEALSSGN KEFKGTVFFD EFTFVKLTGV AGNYTVCQKD LCCHLSYKMS ENIPNEVYAL GAFDGLH TVE GRYYLQICTL LKCKTTNLNT CGDSAETAST RFEMFSLSGT FGTQYVFPEV LLSENQLAPG EFQVSTDGRL FSLKPTSGPV LVTTLFGRLY EKDWASNASS G
Source	E.coli
Target Names	VNN1
Protein Names	Recommended name: Pantetheinase EC= 3.5.1.92 Alternative name(s): Pantetheine hydrolase Tiff66 Vascular non-inflammatory molecule 1 Short name= Vanin-1
Expression Region	22-491
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.