Datasheet for ABIN7197928

# SPINT1 Protein (His tag)

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## Overview

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| Quantity: | 50 µg |
| Target: | SPINT1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This SPINT1 protein is labelled with His tag. |

## Product Details

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| Purpose: | Recombinant Human HAI-1/SPINT1 Protein (His Tag)(Active) |
| Sequence: | Met 1-Val 433 |
| Characteristics: | A DNA sequence encoding the human SPINT1 isoform 2 (O43278-2) (Met 1-Val 433) was fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 96 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Biological Activity Comment: | Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2 (R&D Systems, Catalog # ES002). IC50 value is < 2nM. |

## Target Details

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| Target: | SPINT1 |

## Target Details

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| Alternative Name: | HAI-1/SPINT1 (SPINT1 Products) |
| Background: | Background: Vascular non-inflammatory molecule 2, also known as glycosyl-phosphatidyl inositol-anchored protein GPI-80, Vanin-2, Protein FOAP-4 and VNN2, is a cell membrane protein which belongs to the CN hydrolase family and Vanin subfamily. VNN2 is widely expressed with higher expression in spleen and blood. VNN2 is 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. VNN2 is an amidohydrolase that hydrolyzes specifically one of the carboamide linkages in D-pantetheine thus recycling pantothenic acid (vitamin B5) and releasing cysteamine. It is involved in the thymus homing of bone marrow cells. VNN2 plays a role in transendothelial migration of neutrophils and may regulate beta-2 integrin-mediated cell adhesion, migration and motility of neutrophil.<br>Synonym: HAI;HAI1;MANSC2;SPINT1;UNQ223/PRO256 |
| Molecular Weight: | 45.8 kDa |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile PBS, pH 7.4 |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |