

# Recombinant Human VASN Protein, His Tagged

**Cat. No.** VASN-11245H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human VASORIN, His Tag is expressed from human 293 cells (HEK293). It contains AA Cys 24-Pro 575 (Accession # AAH68575). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Cys 24                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 24-575 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | VASORIN (VASN), a single-pass type I membrane protein, is also known as protein slit-like 2 and SLITL2, which contains one EGF-like domain, ten LRR (leucine-rich) repeats, one LRRCT domain and one LRRNT domain. VASN is expressed at highest levels in aorta, at intermediate levels in kidney and placenta and at lowest levels in brain, heart, liver, lung and skeletal muscle. VASN can interact selectively and non-covalently with TGF-beta, transform growth factor beta, a multifunctional peptide that controls proliferation, differentiation and other functions in many cell types. In general, VASN may act as an inhibitor of TGF-beta signaling. |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 61.6 kDa. The protein migrates as 80-100 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                       |                                                                                                                                                                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | Less than 1.0 EU/μg by the LAL method/rFC method.                                                                                                                                                                                                                                                                            |
| <b>Purity</b>         | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>        | This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.                                                                                                                                       |

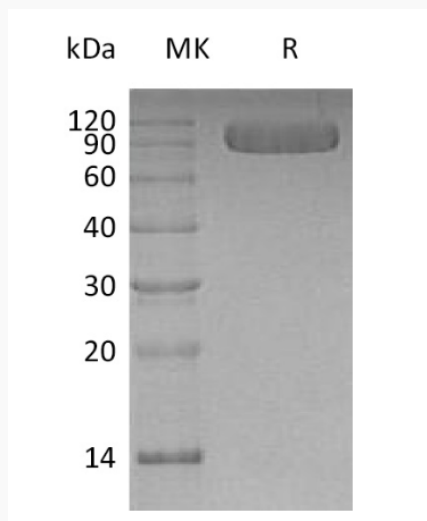
## GENE INFORMATION

|                        |                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | VASN vasorin [ Homo sapiens (human) ]                                                      |
| <b>Official Symbol</b> | VASN                                                                                       |
| <b>Synonyms</b>        | VASN; vasorin; slit like 2 (Drosophila), SLITL2; slit-like 2; protein slit-like 2; SLITL2; |
| <b>Gene ID</b>         | 114990                                                                                     |
| <b>mRNA Refseq</b>     | NM_138440                                                                                  |
| <b>Protein Refseq</b>  | NP_612449                                                                                  |
| <b>MIM</b>             | 608843                                                                                     |
| <b>UniProt ID</b>      | Q6EMK4                                                                                     |

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**SDS-PAGE**

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