

Datasheet

Human Vasorin / VASN Protein

Catalog # VAN-H52H3

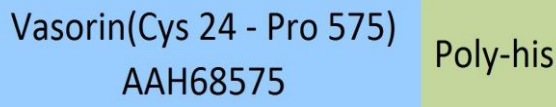
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Description

Source Human Vasorin, His Tag (VAN-H52H3) is expressed from human 293 cells (HEK293). It contains AA Cys 24 - Pro 575 (Accession # AAH68575). Predicted N-terminus: Cys 24

Predicted N-terminus Cys 24

Protein Structure



Molecular Characterization This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 61.6 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin Less than 1.0 EU per µg by the LAL method.

Purity >95% as determined by SDS-PAGE.

Formulation and Storage

Formulation Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution Please see Certificate of Analysis for specific instructions. For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles.
 No activity loss was observed after storage at:
 • 4-8°C for 12 months in lyophilized state;
 • -70°C for 3 months under sterile conditions after reconstitution.

Background

Background 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.

References

- (1) Ikeda Y., et al., 2004, Proc. Natl. Acad. Sci. U.S.A. 101:10732-10737.
- (2) Chen R., et al., 2009, J. Proteome Res. 8:651-661.

Please contact us at TechSupport@acrobiosystems.com, if you have any questions about this product.

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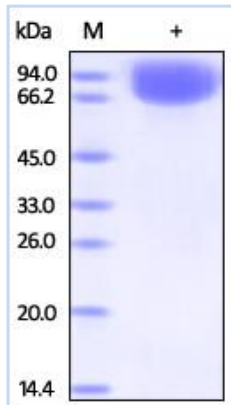
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Assay Data

SDS-PAGE Data



Human Vasorin, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.