

Human VASN / Vasorin Protein (His Tag)

Catalog Number: 13854-H08H



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Biological Solution Specialist

General Information

Gene Name Synonym:

SLITL2; 2610528G05Rik; Atia; Slitl2

Protein Construction:

A DNA sequence encoding the human VASN (Q6EMK4) (Met1-Pro575) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Cys 24

Molecular Mass:

The recombinant human VASN consists of 563 amino acids and predicts a molecular mass of 61.1 KDa. It migrates as an approximately 66-76 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

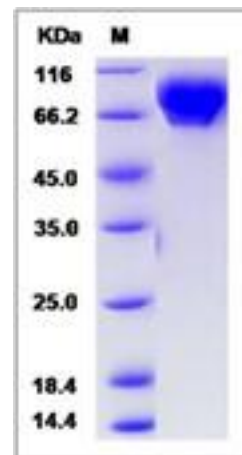
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Vasorin is a typical type I membrane protein. It contains 1 EGF-like domain, 1 fibronectin type-III domain, 10 LRR (leucine-rich) repeats, 1 LRRCT domain and 1 LRRNT domain. Vasorin is predominantly expressed in vascular smooth muscle cells, and that its expression is developmentally regulated. Vasorin It directly binds to transforming growth factor (TGF)- β and attenuates TGF- β signaling in vitro. This suggests that down-regulation of vasorin expression contributes to neointimal formation after vascular injury and that vasorin modulates cellular responses to pathological stimuli in the vessel wall.

References

- 1.Gerhard DS, *et al.* (2004) The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). *Genome Res.* 14(10B):2121-7.
- 2.Kim W, *et al.* (2011) Systematic and quantitative assessment of the ubiquitin-modified proteome. *Mol Cell.* 44(2):325-40.
- 3.Lee KA, *et al.* (2011) Ubiquitin ligase substrate identification through quantitative proteomics at both the protein and peptide levels. *J Biol Chem.* 286(48):41530-8.

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