

Vasorin Protein, Human (552a.a, HEK293, His)

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| Cat. No.: | HY-P70999 |
| Synonyms: | Vasorin; Protein Slit-Like 2; VASN; SLITL2 |
| Species: | Human |
| Source: | HEK293 |
| Accession: | AAH68575.1 (C24-P575) |
| Gene ID: | 114990 |
| Molecular Weight: | Approximately 87.39 kDa |

PROPERTIES

AA Sequence

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|---------------------|---------------------|---------------------|---------------------|
| C P S G C Q C S Q P | Q T V F C T A R Q G | T T V P R D V P P D | T V G L Y V F E N G |
| I T M L D A G S F A | G L P G L Q L L D L | S Q N Q I A S L P S | G V F Q P L A N L S |
| N L D L T A N R L H | E I T N E T F R G L | R R L E R L Y L G K | N R I R H I Q P G A |
| F D T L D R L L E L | K L Q D N E L R A L | P P L R L P R L L L | L D L S H N S L L A |
| L E P G I L D T A N | V E A L R L A G L G | L Q Q L D E G L F S | R L R N L H D L D V |
| S D N Q L E R V P P | V I R G L R G L T R | L R L A G N T R I A | Q L R P E D L A G L |
| A A L Q E L D V S N | L S L Q A L P G D L | S G L F P R L R L L | A A A R N P F N C V |
| C P L S W F G P W V | R E S H V T L A S P | E E T R C H F P P K | N A G R L L L E L D |
| Y A D F G C P A T T | T T A T V P T T R P | V V R E P T A L S S | S L A P T W L S P T |
| A P A T E A P S P P | S T A P P T V G P V | P Q P Q D C P P S T | C L N G G T C H L G |
| T R H H L A C L C P | E G F T G L Y C E S | Q M G Q G T R P S P | T P V T P R P P R S |
| L T L G I E P V S P | T S L R V G L Q R Y | L Q G S S V Q L R S | L R L T Y R N L S G |
| P D K R L V T L R L | P A S L A E Y T V T | Q L R P N A T Y S V | C V M P L G P G R V |
| P E G E E A C G E A | H T P P A V H S N H | A P V T Q A R E G N | L P |

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Vasorin (VASN) is located in cell surface and extracellular exosome, containing tandem arrays of a characteristic leucine-rich repeat motif, an epidermal growth factor-like motif, and a fibronectin type III-like motif at the extracellular domain. VASN may act as an inhibitor of TGF-beta signaling and is involved in negative regulation of epithelial to mesenchymal transition. VASN is also involved in hypoxia and cellular response to redox state, as hypoxia preferentially augments Notch signaling in glioma stem-like cells by inducing VASN, the target gene of HIF1/STAT3. VASN functions as a competitive inhibitor of Numb to reduce Notch turnover, augmenting Notch signaling under hypoxic stress, and expression of VASN is correlated with increased aggression of human gliomas^{[1][2]}.

Caution: Product has not been fully validated for medical applications. For research use only.

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