

# Recombinant Human VSNL1, His-tagged

**Cat. No.** VSNL1-799H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Total 201 AA. MW: 23.4 kDa (calculated). N-terminal His-tag, 10 extra AA (highlighted). The AA sequence is identical to UniProtKB/Swiss-Prot entry P62760.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Visinin-like protein 1 is a protein that in humans is encoded by the VSNL1 gene. This gene is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. The encoded protein is strongly expressed in granule cells of the cerebellum where it associates with membranes in a calcium-dependent manner and modulates intracellular signaling pathways of the central nervous system by directly or indirectly regulating the activity of adenylyl cyclase. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined. |
| <b>Form</b>             | Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 20mM NaCl, pH 7.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Research topic</b>   | Neural tissue damage markers, Oncology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reconstitution</b>   | Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Western blotting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                                 |                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Control Test</b>     | BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein.                                                                                                                                                                                                                                                                           |
| <b>Sequences of amino acids</b> | MKHHHHHHAS MGKQNSKLAP EVMEDLVKST EFNEHELKQW YKGFLKDCPS<br>GRLNLEEFQQ LYVKFFPYGD ASKFAQHAFR TFDKNGDGTI DFREFICALS<br>ITSRGSFEQK LNWAFNMYDL DGDGKITRVE MLEIIEAIYK MVGTVIMMKM<br>NEDGLTPEQR VDKIFSKMDK NKDDQITLDE FKEAAKSDPS IVLLQCDIQ K                                                                                                                            |
| <b>Storage</b>                  | Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C. |

## GENE INFORMATION

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | VSNL1 visinin-like 1 [ Homo sapiens ]                                                                                          |
| <b>Official Symbol</b> | VSNL1                                                                                                                          |
| <b>Synonyms</b>        | VSNL1; visinin-like 1; HLP3; VILIP; HPCAL3; HUVISL1; VILIP-1; Hippocalcin-like protein 3; VLP-1; visinin-like protein 1; VISL1 |
| <b>Gene ID</b>         | 7447                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_003385                                                                                                                      |
| <b>Protein Refseq</b>  | NP_003376                                                                                                                      |
| <b>MIM</b>             | 600817                                                                                                                         |

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|------------------------|---------------------|
| UniProt ID             | P62760              |
| Chromosome<br>Location | 2p24.3              |
| Function               | calcium ion binding |

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