

Recombinant Human VSNL1, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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.
Form	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 20mM NaCl, pH 7.5.
Research topic	Neural tissue damage markers, Oncology
Reconstitution	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.
Applications	Western blotting

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Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein.
Sequences of amino acids	MKHHHHHHAS MGKQNSKLAP EVMEDLVKST EFNEHELKQW YKGFLKDCPS GRLNLEEFQQ LYVKFFPYGD ASKFAQHAFR TFDKNGDGTI DFREFICALS ITSRGSFEQK LNWAFNMYDL DGDGKITRVE MLEIIEAIYK MVGTVIMMKM NEDGLTPEQR VDKIFSKMDK NKDDQITLDE FKEAAKSDPS IVLLQCDIQ K
Storage	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

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

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UniProt ID	P62760
Chromosome Location	2p24.3
Function	calcium ion binding

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