

Recombinant Human Visinin-like 1

Cat. No. VSNL1-1406H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human Visinin-like protein-1 was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW =22.1 kDa (191aa).
Species	Human
Source	E.coli
Description	Visinin-like protein-1, also known as VILIP-1, belongs to a family of neuronal calcium sensor proteins. VILIP-1 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. Also, it is expressed in pancreatic beta-cells. VILIP-1 elevation enhances insulin secretion in cAMP-associated manner. Down-regulation of VILIP-1 decreased cAMP accumulation but increased insulin gene transcription.
Amino Acid Sequence	MGKQNSKLAP EVMEDLVKST EFNEHELKQW YKGFLKDCPS GRLNLEEFQQ LYVKFFPYGD ASKFAQHAFR TFDKNGDGTI DFREFICALS ITRSGSFEQK LNWAFNMYDL DGDGKITRVE MLEIIEAIYK MVGTVIMMKM NEDGLTPEQR VDKIFSKMDK NKDDQITLDE FKEAAKSDPS IVLLLQCDIQ K
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol.
Purity	> 95 % by SDS – PAGE.

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Concentration	1 mg/ml (determined by Bradford assay).
Endotoxin Level	< 1.0 EU per 1 µg of protein (determined by LAL method).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	VSNL1 visinin-like 1 [Homo sapiens]
Synonyms	VSNL1; visinin-like 1; HLP3; VILIP; HPCAL3; HUVISL1; VILIP-1; OTTHUMP00000200482; OTTHUMP00000200483; hippocalcin-like protein 3; VLP-1; Hippocalcin-like protein 3; VISL1
Gene ID	7447
mRNA Refseq	NM_003385
Protein Refseq	NP_003376
MIM	600817
UniProt ID	P62760
Chromosome Location	2p24.3
Function	calcium ion binding

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