

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 ASKFAQHA FR TFDKNGDGTI DFREFICALS ITS RGSFEQK 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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