

Visinin-Like Protein-1 Recombinant Protein | VSNL1 recombinant protein

Recombinant Human Visinin-Like Protein-1

CATALOG #
AAA38756

PRODUCT SYNONYMS

Visinin-Like Protein-1; Recombinant Human Visinin-Like Protein-1; VSNL1 Human; Visinin-Like Protein-1 Human Recombinant; VISL1; VISL-1; VIS1; VIS-1; VILIP; HLP3; Hippocalcin-like protein 3; VSNL1; VILIP-1; VILIP1; HLP-3; HPCAL3; HUVISL1; Visinin-like protein 1; VSNL1 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The VSNL1 protein solution contains 20mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence	MGKQNSKLAP EVMEDLVKST EFNEHELKQW YKGFLKDCPS GRLNLEEFQQ LYVKFFPYGD ASKFAQHAFR TFDKNGDGTI DFREFICALS ITSRSFEQK LNWAFNMYDL DGDGKITRVE MLEIIEAIYK MVGTVIMMKM NEDGLTPEQR VDKIFSKMDK NKDDQITLDE FKEAAKSDPS IVLLQCDIQ K
Sequence Length	191
Source	E.Coli
Physical Appearance	Sterile Filtered colorless solution.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for VSNL1 recombinant protein	Description: VSNL1 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 191 amino acids (1-191 a.a.) and having a molecular mass of 22.1kDa.The VSNL1 is purified by proprietary chromatographic techniques. Introduction: VSNL1 is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. VILIP1 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. Changes in cellular expression of VSNL1 were found in hippocampi of schizophrenics, since more interneurons showed immunoreactivity. VILIP1 is expressed in pancreatic beta-cells. VILIP1 elevation enhances insulin secretion in cAMP-associated manner. Down-regulation of VILIP-1 decreased cAMP accumulation but increased insulin gene transcription. VILIP-1 interacts with cell membrane and actin-based cytoskeleton. VSNL1 modulates cAMP-accumulation in C6 glioma cells. HLP3 modulates cGMP-accumulation in transfected neural cells and cerebellar granule neurons.
Product Categories/Family for VSNL1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Visinin-Like Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361559
NCBI GeneID	7447

NCBI Accession #	NP_003376.2
NCBI GenBank Nucleotide #	NM_003385.4
UniProt Accession #	P62760 ; P28677 ; P29103 ; P42323 ; Q9UM20 ; D6W515
Molecular Weight	22,142 Da
NCBI Official Full Name	visinin-like protein 1
NCBI Official Synonym Full Names	visinin-like 1
NCBI Official Symbol	VSNL1
NCBI Official Synonym Symbols	HLP3; VILIP; HPCAL3; HUVISL1; VILIP-1
NCBI Protein Information	visinin-like protein 1; VLP-1; hippocalcin-like protein 3
UniProt Protein Name	Visinin-like protein 1
UniProt Gene Name	VSNL1
UniProt Synonym Gene Names	VISL1; VILIP; VLP-1; HLP3
UniProt Entry Name	VISL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/vsnl1-recombinant-protein/38756>