

Product datasheet for **SC117995**

VILIP1 (VSNL1) (NM_003385) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VILIP1 (VSNL1) (NM_003385) Human Untagged Clone
Tag:	Tag Free
Symbol:	VILIP1
Synonyms:	HLP3; HPCAL3; HUVISL1; VILIP; VILIP-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117995 sequence for NM_003385 edited (data generated by NextGen Sequencing) ATGGGGAAGCAGAATAGCAAACCTGGCCCCTGAAGTGATGGAGGACCTGGTGAAGAGCACA GAGTTTAATGAGCATGAACTCAAGCAGTGGTACAAAGGATTTCTCAAGGACTGTCCAAGT GGGAGGCTAAATCTCGAGGAATTCAGCAGCTCTATGTGAAGTCTTTCCCTTATGGAGAC GCCTCCAAGTTTGCCAGCATGCCTCCGAACCTTCGACAAGAATGGGGACGGCACCATT GACTTCCGAGAGTTCATCTGCGCTCTGTCCATCACCTCCAGGGGCAGCTTTGAGCAGAAG CTGAACTGGGCCTTCAATATGTATGACCTGGATGGTGTGGCAAGATCACCCGAGTGGAG ATGCTGGAGATCATCGAGGCTATCTACAAAATGGTAGGCACTGTGATCATGATGAAAATG AATGAGGATGGCCTGACGCTGAGCAGCGAGTAGACAAGATTTTCAGCAAGATGGATAAG AACAAAGATGACCAGATTACACTGGATGAATTCAAAGAAGCTGCAAAGAGCGACCCTTCC ATTGTATTACTTCTGCAGTGCAGATCCAGAAATGA

Clone variation with respect to NM_003385.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003385 unedited CACGAGGCCAATCTGCAGCAGAGATTACCCGAGCGTGTTCGCGCAGCGGCTGGGCTTGCA AGGCGCGATCCAAGAGGGATTTAAGCAGCCCAGAGCTCCAGAGAAAAAGAGAGCGAGAGA GAACCACACACAGAGACGGCTTAAGCGTTTACCCGAATTAATATATATTTTTAAAAAGA ACTGTTGAGTTTTATCATTTTCGTTAAGTGACCGTGCGCAGCGCTGTAAGTGCAGGATGG GGAAGCAGAATAGCAAAGTGGCCCTGAAGTGATGGAGGACCTGGTGAAGAGCACAGAGT TTAATGAGCATGAACTCAAGCAGTGGTACAAAGGATTTCTCAAGGACTGTCCAAGTGGGA GGCTAAATCTCGAGGAATTTTCAGCAGCTCTATGTGAAGTTCTTTCTTATGGAGACGCCT CCAAGTTTGCCAGCATGCCTTCCGAACCTTCGACAAGAATGGGACGGCACCATTGACT TCCGAGAGTTCATCTGCCTCTGTCCATCACCTCCAGGGGACGCTTTGAGCAGAAGCTGA ACTGGGCTTCAATATGTATGACCTNNGGATGGTATGGCAAGATCACCCGAGTGGAGAT GCTGGGAGATCATCGAGGCTATCTACAAAATGGTAGGCACTGTGATCATGATGAAAATGA A
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003385 unedited NATGGCAACCTTCCAGNCCAGGAANAGCACTGGGGAGGGTTCACAGGGATGCCACCCGG GATCTGTTTCAGGAAACAGCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTT TTTTTTCAGCTTCTACATTTTATTTATAAAAAACAACAGTGAGTCTGCTAGAGGTTTGT TTTCCATAAGCGCCCCAGATACAGTTCACCTTCGTTTCACGAAGTCTTTCTTCAGATGTC ACCTCACCAGCCTATAGGGAAGGGCCACCAAAGTATCCCATCCCTCTCCTCCCTGTTATC CTGCCCTGCTCTTTCATAGGTATTATAATTCCGCAATTTGTCTGTGTGTATTTAGTG TGTATCCCTCTCCACACAAGAATGATGTTAGGTGCACAGTAGGTGACCAATGAAGATTG TTATGAATGAATTAAGGAGGCTGGTTTAAACCGGGTCCATTCTGAAGCAGTCCACATC TCCTCACCTACCCATCCTCACTTAGTGAGGAAGGAGTCTTGAGATGTAAGTGCCTCCCT GATCTCTCCCTGCCTACAGTTTGGGCTCAACATGCACAAGGGTGAAGGGTATTAGGACAT TCTATTCACTTGTAAAGACTATCTTGTGACAGGCAGAAATTTGGTTCTATCAGTGTTCAGG ACCACTGGTGTCCCTAAGTGTGTAATGAGGTCAACATTTCTTGTAAATGAATGAATA GAATCATTAGACCCTAGTTTAGGGTATGGNAATGATCCTAAGACAATAAANGATGGGTA AAANNACGAATCGTAAAAACGAATTGATAAAAAAGTACTTGATAATATAACCCCTTAANCT GTCCGTAATAAGCACTACCTATATGTGCAAAATACCTTAATACA
Restriction Sites:	NotI-NotI
ACCN:	NM_003385
Insert Size:	3000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_003385.4](#), [NP_003376.2](#)

RefSeq Size: 2014 bp

RefSeq ORF: 576 bp

Locus ID: 7447

UniProt ID: [P62760](#)

Cytogenetics: 2p24.2

Domains: EFh

Protein Families: Druggable Genome

Gene Summary: 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. [provided by RefSeq, Jul 2008]