

Product datasheet for **SC322095**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322095
 AGCGGAGATTTACCCGAGCGTGTTCGCGCAGCGGCTGGGCTTGCAAGGCGCGATCCAAGA
 GGGATTTAAGCAGCCCAGAGCTCCAGAGAAAAAGAGAGCGAGAGAGAACCACACACAGAG
 ACGGCTTAAGCGTTTACCCGAATTAATATATATTTTTAAAAAGAACTGTTGAGTTTTAT
 CATTTTCGTTAAGTGACCGTGCAGCGCTGTAAGTGCAGGATGGGGAAGCAGAAATAGCA
 AACTGGCCCTGAAGTGATGGAGACCTGGTGAAGAGCACAGAGTTAATGAGCATGAAC
 TCAAGCAGTGGTACAAAGGATTTCTCAAGGACTGTCCAAGTGGGAGGCTAAATCTCGAGG
 AATTTTCAGCAGCTCTATGTGAAGTTCTTTCCCTTATGGAGACGCCTCCAAGTTTGCCGAGC
 ATGCCTTCCGAACCTTCGACAAGAATGGGGACGGCACCATTGACTTCCGAGAGTTCATCT
 GCGCTCTGTCCATCACCTCCAGGGGCGAGCTTTGAGCAGAAGCTGAACTGGGCCTTCAATA
 TGTATGACCTGGATGGTATGGCAAGATCACCCGAGTGGAGATGCTGGAGATCATCGAGG
 CTATCTACAAAATGGTAGGCACTGTGATCATGATGAAAATGAATGAGGATGGCCTGACGC
 CTGAGCAGCGAGTAGACAAGATTTTCAGCAAGATGGATAAGAACAAGATGACCAGATTA
 CACTGGATGAATCAAAGAAGCTGCAAAGAGCGACCCTTCCATTGTATTACTTCTGCAGT
 GCGACATCCAGAAATGAGCTGATGTCAATGCTATGGACTGCACAAAAGTCTCAATGTTCC
 ATTCAGTCTGCAGCTATTCA
 CACACACAAAATATTGCTTGGACTACCTATAAATGGACTTGCTTCTGTGTTTGAACACT
 CGTGTGCATGAGAATGTCATTTGCTAATGAATTTAAAAGCATATATAAAACAAAACAAA
 CAACCTGCCACAATGTGATATGTGTAATATCATTTTCATAAAAAATCCCTCTTCCCAAAG
 CCTGGGCGAGAAATGTGCTGCAAAGAGTTATGACTTCTTGTTCATGTTTGTAAATGCT
 CGTATCTCCTTGATTACATAATGTTAGTAGCACTGAGACCCCATGGTAAATGTAACCTAA
 TTATAAGCTATGCACTACCTCCTGTAATAACTATTGGACAGACAGAGGGACCCTT
 GGCTCCTGTGCTGGTCCACACACCAGAAAGCTTGATTATCAGTGAATATAAATGTAC
 TACATTTGCATGCCTTTTGGGTTTGCCTTAATTCTTACCTCATTTGCATCCTATCGATCT
 GGAAGAGCTGTTTTGGATGAATGCAGTATAAATGTA AAAAACCTGCTAAATGACTTAT
 TGATTAAGTATATCTATCTATATACATATACACAAAAGATATTATTTATCGAAAGTAA
 AAAGATGGAAGTGTATTGGTTTCTGTTTGAATTTCAAAGGCTTCCAATGTGGTGGCAAT
 AAATGTCCCAAATAAATTTATAACAATTGATTTTCCCTAATTCTTATTTTATAATTTT
 AAAATTGCAGCAGTTGCTAGCAACAACCTACTAAATCTACTCTTAAATATACAACTTTGG
 AATTTGAAGAATTAATGACAACAAAAGGAAAAAAGCAACTTTCCAACCTTTTCATCCAGG
 CTCCCAAAAGAGGGACAACGAACATGGCATGTGAAAAGTAAAACAGATTTGTTTCATCCG
 AAAAAAAAAATGTTCTATGACAATAAATTTTATCTCAGTGGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003385

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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]