

Specifications:

Gene:	<i>h</i> VSNL1
Accession:	NP_003376.2
Insert size:	589bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

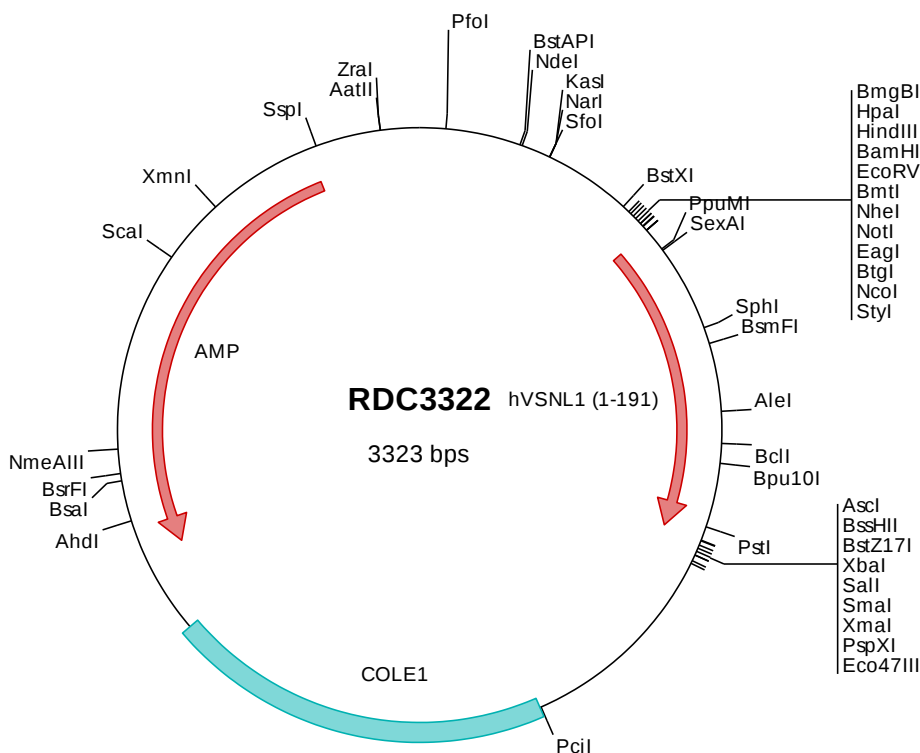
*h*Visinin-like 1 cDNA Plasmid

VSNL1 visinin like 1 [*Homo sapiens* (human)]

Also known as: HLP3; VILIP; HPCAL3; HUVISL1; VILIP-1

Summary:

VSNL1 is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. It 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 transcripts encoding different proteins have been described.



> RDC3322 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcccacc atggggaagc agaatagcaa actggccctt gaagtgatgg aggacctgggt
501  gaagagcaca gaggtttaatg agcatgaact caagcagttg tacaaaggat ttctcaaggc ctgtccaagt gggaggctaa atctcgagga atttcagcag
601  ctctatgtga agttottttc ttatggagac gcctccaagt ttgcccagca tgccttcgca accttcgaca agaattggga cggcaccatt gaattccgag
701  agttcatctg cgtctgttcc atcacctcca ggggcagctt tgagcagaag ctgaactggg ccttcaatat gtatgacctg gatggtgatg gcaagatcac
801  ccgagtggag atgctggaga tcctcgaggc tatctacaaa atggttagca ctgtgatcat gatgaaaatg aatgaggatg gcctgacgcc tgagcagcga
901  gtagacaaga ttttcagcaa gatggataag aacaaagatg accagattac actggatgaa ttcaaagaag ctgcaaagag cgacccttcc attgtattac
1001 ttctgcagtg cgacatccag aaataaaggc gcgcagtat acctctagat cgcacaccgg ggaattcttc gagcgctcgt ctctagcttg gcgtaatcat
1101  ggtcatagct gtttctctgtg tgaatttgtt atccgctcac aatccacac aacatacag cgggaagcat aaagtgtaaa gcctgggggtg cctaattgagt
1201  gagctaactc acattaattg cgttgcgctc actgcccgcct ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga
1301  gcggttttgc gtattggcgg cttcttcgct tcctcgctca ctgactcgct gcgctcggtc gcttcgctgc ggcgagcgtg atcagctcac tcaaaaggcgg
1401  taatacgggt atccacagaa tcaggggata acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaacctg aaaaaggccg cgttgcctgac
1501  gtttttccat aggtctccgc cccctgacga gcatacacia aatcgacgct caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcgctt
1601  cccctggaa gctccctcgt gcgctctcct gttccgacct tgccgcttac cggataacct tcgccttttc tcccttcggg aagcgtggcg ctttctcaat
1701  gctcacgctg taggtatctc agttcgggtg aggtcggttc ctccaagctg ggctgtgtgc acgaaccccc cgttcagccc gaccgctgcg ccttatccgg
1801  taactatcgt cttgagtcca acccgtaag acacgactta tcgccacttg cagcagccac tggtaacagg attagcagag cgaggtatgt aggcggtgct
1901  acagagtctt tgaagtgggt gcctaactac ggctacacta gaaggacagt atttggatc tgcgctctgc tgaagccagt taccttcgga aaaagagttg
2001  gtacgtcttg atccggcaaa caaaccaccg ctggttagcgg tgggtttttt gtttgcaagc agcagattac gcgcagaaaa aaaggatctc aagaagatcc
2101  tttgatcttt tctacggggg ctgacgctca gtggaacgaa aactcacggt aagggtattt ggatcatgaga ttatcaaaaa ggatcttcac ctatgctctt
2201  ttaaatataa aatgaagttt taaatcaatc taaagtatat atgagtaaac ttggtctgac agttaccaat gcttaatacag tgaggcacct atctcagcga
2301  tctgtctatt cgttctatcc atagttgcct gactccccgt cgtgtagata actacgatac gggaggggctt accatctggc cccagtgtcg caatgatacc
2401  gcgagaccca cgtccaccgg ctccagtttt atcagcaata aaccagccag ccggaagggc cgagcgcaga agtggctctg caactttatc gcctccatc
2501  cagtcctatta attgttggcg ggaagctaga gtaagtagtt cgccagttaa tagtttgcgc aacgttgttg ccattgtctac aggcacgtg gtgtcacgct
2601  cgtcgttttg tatggttcca ttcagctccg gttcccaacg atcaaggcga gttacatgat ccccatgtt gtgcaaaaaa gcggttagct ccttcgggtc
2701  tccgatcgtt gtcagaagta aattggccgc agtgttatca ctcatggtta tggcagcact gcataattct cttactgtca tgccatccgt aagatgctt
2801  tctgtgactg gtgagtactc aaccaagtca tcttgagaat agtgtatgcg gcgacagagt tgctcttgcc cggcgtaaat accgcccac
2901  atagcagaac tttaaaagtg ctcatcattg gaaaacgttc ttccgggcga aaactctcaa ggatcttacc gctgttgaga tccagttoga tgtaacccac
3001  tcgtgcaccc aactgatctt cagcatcttt tactttcacc agcgtttctg ggtgagcaaa aacagggaag caaaaaggg aataaggcg
3101  acacggaaat gttgaatact catactcttc ctttttcaat attattgaag catttatcag ggttattgtc tcatgagcgg atacatattt gaatgtattt
3201  agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca cctgacgtct aagaaacctt tattatcatg acattaacct ataaaaatag
3301  gcgtatcacg aggccttttc gtc

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> RDC3322 Translated Insert Sequence

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1   mgkqnsklap evmedlvkst efnehelkqw ykgflkdcpa grlnleefqg lyvkffpygd askfaqhafr tfdkngdgti dfreficala itsrgsfek
101  lnwafnmydl dgdgkitrve mleieaiyk mvgtvimmkm nedgltpetr vdkifskmdk nkddqitlde fkeaaksdps ivllllqcdiq k

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