

Product datasheet for **SC320372**

VILIP3 (HPCAL1) (NM_134421) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VILIP3 (HPCAL1) (NM_134421) Human Untagged Clone
Tag:	Tag Free
Symbol:	VILIP3
Synonyms:	BDR1; HLP2; VILIP-3
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 NM_134421.1
 GCGGACGGGCGGACTGACGGGCGCCTCCACCTTGCTCCCTCCCTGGCTGCCGGCTTCCTT
 TTGTCTTTCTGGGCGGCATGAGCGCAGGGCCGGCGCAGCAGCTGCGGGCGCACGGAGGC
 CCGCGTGTACTACTCTCCCGGCTCGGCGCGCTTGTCCCGGCAGCGGCCCGGGCC
 CGCTGCAGCCCGCCGGCGCGCAACTTGGGCTCGGGAAGCCGGCGGACCGCGTCTGCG
 CCGGAGCAGGGCATGGTCTAGTGGCCAGTCAGGACGCGAAACACTCCCTGGAGTTT
 TGACCCGCTCCCTCTCAGCCTCCGCTGGTCTCTGGTGTAGTCGCGCGCCGCGCCGCA
 TGGGCAAACAGAACAGCAAGCTGCGGCCGAGGTGCTGCAGGACCTGCGGGAGAACACGG
 AGTTCACCGACACGAGCTGCAGGAGTGGTACAAGGGCTTCTCAAGGACTGCCCCACCG
 GCCACCTGACCGTGGACGAGTTCAAGAAGATCTACGCCAATTCTTCCCCTACGGCGACG
 CTTCAAGTTCGCCGAGCACGTCTTCCGCACCTTCGACACCAACGGCGACGGCACCATCG
 ACTTCCGGGAGTTCATCATTGCGCTGAGCGTGACCTCGCGGGCAAGCTGGAGCAGAAGC
 TCAAGTGGGCTTCAGCATGTACGACCTGGACGGCAACGGCTACATCAGCCGAGCGAGA
 TGCTGGAGATCGTGCAGGCCATCTACAAGATGGTGTCTGTGTGAAGATGCCGGAGG
 ATGAGTCCACCCGAGAGAAGCGCACAGACAAGATCTTCAGGCAGATGGACACCAACAATG
 ACGGCAAACGTCTTGAAGAATTTCATCAGAGGTGCCAAGAGCGACCCCTCCATCGTCC
 GCCTGCTGCAGTGCACCCAGCAGTGCCAGTCAAGTCTGAGCGAGCGGCCCTGGACAG
 TTGAGAGAAACACAGGCTTGTCTGCGGTTTAAAGCTTGTGCAAGAGTGGATGCCCC
 GCAATCGTTCTGCTCTCCCGGGCCCGGGGCTGGGGCATGCGTTGACCTGCCCGGCC
 GGTGGCTGCGCCTCCCTCCACTGACCAACGCGACATTCTCCCTCACGCCTGGCC
 CGGTCCCTTCCAGGGCACTCCAGGGATGTGGTGACATGCAGGGTTCAAGTGTCTTGG
 TTCCAGGCACCTCCCGGCTCACGGGAGCTCAGAGTCCATGCCGAGGAGACCAGGCAGG
 ACCTCCCGAGGCTGCGCCCGGGCCCGCCATGCGTTTTGTGATCCCAAGTGACTGTGG
 GAAGGGTGGGGACGAGGGCTCGGGAGGGTATACAGGGAGCCCTCCCGTGCATGGCTGCC
 CCCCCGTTCAATTTCTCCACCACAGCCGCTTGCACGTATAGATACTGTGGTCCCCTTCT
 TTTAATATATAAATTATGTATGGTGAAGTGGAGTATTGTGTAGGTCCCGTATTTAATG
 CCTCTGACTGCCTTTGAAGCGCAGCCCTCTGTGGCCCGCAGCCCTGAGCCTGGCTGTT
 GTGTGGTATTTATGCTCTTTGTCTGCTGTTTCTAAGGAAATGCATGTGTGCCCTGAG
 CCGTGATGATCTCCATCCGTGTTGTGAGCACAGGCATTTGTGTCTGGTCTGCCTCCC
 TGTTGATTGGTCTGGCATTTCGGTATTTAAATGATAAAATAAATGGCAAAAAAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_134421

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_134421.1](#), [NP_602293.1](#)

RefSeq Size: 1920 bp

RefSeq ORF: 582 bp

Locus ID: 3241

UniProt ID: [P37235](#)

Cytogenetics: 2p25.1

Domains: EFh

Gene Summary: The protein encoded by this gene is a member of neuron-specific calcium-binding proteins family found in the retina and brain. It is highly similar to human hippocalcin protein and nearly identical to the rat and mouse hippocalcin like-1 proteins. It may be involved in the calcium-dependent regulation of rhodopsin phosphorylation and may be of relevance for neuronal signalling in the central nervous system. Several alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Apr 2012]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 5. All five variants encode the same protein.