

Product datasheet for **SC124276**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_134421, the custom clone sequence may differ by one or more nucleotides

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ATGGGCAAACAGAACAGCAAGCTGCGGCCCGAGGTGCTGCAGGACCTGCGGGAGAACACGGAGTTCACCG  
ACCACGAGCTGCAGGAGTGGTACAAGGGCTTCTCAAGGACTGCCCCACCGGCCACCTGACCGTGGACGA  
GTTCAAGAAGATCTACGCCAACTTCTTCCCCTACGGCGACGCTTCCAAGTTCGCCGAGCACGTCTCCGC  
ACCTTCGACACCAACGGCGACGGCACCATCGACTTCCGGGAGTTCATCATTGCGCTGAGCGTGACCTCGC  
GGGGCAAGCTGGAGCAGAAGCTCAAGTGGGCCTT CAGCATGTACGACCTGGACGGCAACGGCTACATCAG  
CCGCAGCGAGATGCTGGAGATCGTGCAGGCCATCTACAAGATGGTGTGCTGTGATGAAGATGCCGGAG  
GATGAGTCCACCCGGAGAAGCGCACAGACAAGATCTTCAGGCAGATGGACACCAACAATGACGGCAAAC  
TGTCTTGAAGAATTCATCAGAGGTGCCAAGAGCGACCCCTCCATCGTCCGCCTGCTGCAGTGGCAGCC  
CAGCAGTGCCAGTCAGTTCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_134421 unedited NNGGTTAAAATTGTATACGACTCACTATAGGCGGCCGCGAATCGGCACCAGGCCCGCTGC AGCCGCCCGCCGGCCGACTTGGGCTCGGGAAGCCGGCGGACCGCGTCTGCGCCGGAGC AGGGGCATGGTCTAGTGGCCAGTCAGGACGCGGAAACACTCCCTGGAGGTTCTGACCCG CTCCTCTCAGCCTCCGCTGGTCTCTGGTGTAGTCGCGCCGCCAGCCGCCATGGGCAA ACAGAACAGCAAGCTGCGGCCGAGGTGCTGCAGGACCTGCGGGAGAACACGGAGTTCAC CGACCACGAGCTGCAGGAGTGGTACAAGGGCTTCTCAAGGACTGCCCCACCGGCCACCT GACCGTGGACGAGTTCAAGAAGATCTACGCCAACTTCTTCCCCTACGGCGACGTTCCAA GTTCGCGGAGCACGTCTTCCGCACCTTCGACACCAACGGCGACGGCACCATCGACTTCCG GGAGTTTCATCATTGCGCTGAGCGTGACCTCGCGGGGAAGCTGGAGCAGAAGCTCAAGTG GGCCTTCAGCATGTACGACCTGGACGGCAACGGCTACATCAGCCGCAGCGAGATGCTGGA GATCGTGCAGGCCATCTACAAGATGGTGTCTGTGTGATGAAGATGCCGGAGGATGAGTC CACCCCGGAGAAGCGCACAGACAAGATCTTCAGGCAGATGGACACCAACAATGACGGNCA ACTGTCTTGAAGAATTATCAGAGGTGCCAAGAGCGACCCCTNCATCGTCCGCCTGCTG CAGTGCACCCCGAGCAGGCGCAGTCAGTTCTGAGCGAGCGGCCCTGGACAGNTGCAGAGA ACACAGGCTTGTGTCGCGTTAAGCTTGTGCGAGAATGGATGCCCCCGCATCGTCTGC TCTCCGGGCCCGCTTGGNNCATGCGTGCCTGCAAC
Restriction Sites:	NotI-NotI
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).
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_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.