

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TP303476M

### VILIP3 (HPCAL1) (NM\_134421) Human Recombinant Protein

### **Product data:**

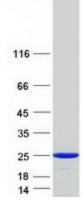
| Description:Recombinant protein of human hippocalcin-like 1 (HPCAL1), transcript variant 2, 100 µgSpecies:HumanExpression Host:HEK293TSpecies:ReC203476 protein sequence<br>Red=Cloning site Green=Tags(s)Species:MGKQNSKLRPEVLQDLRENTEFTDHELQEWYKGFLKDCPTGHLTVDEFKKIYANFFPYGDASKFAEHVFR<br>TFDTNGDGTIDFREFIJALSVTSRGKLEQKLKWAFSMYDLDGNGYISRSEMLEIVQAIYKMVSSVMKMPE<br>DESTPEKRTDKIFRQMDTNNDGKLSLEEFIRGAKSDPSIVRLLQCDPSSASQFTag:CMgc/DDKTag:CMgc/DDKYendicted MW:2.1 kDaSoncentration:>0.05 µg/µL as determined by microplate BCA methodPurity:S005 µg/µL as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 num fortien was captured through anti-DDK affinity column followed by<br>conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience |
|--|
| Fxpression Host:HEK293TExpression cDNA Cloop<br>or AA Sequence:Rc203476 protein sequence<br>Red=Cloning site Green=Tags(s)MGKQNSKLRPEVLQDLRENTEFTDHELQEWYKGFLKDCPTGHLTVDEFKKIYANFFPYGDASKFAEHVFR<br>TFDTNGDGTIDFREFIIALSVTSRGKLEQKLKWAFSMYDLDGNGYISRSEMLEIVQAIYKMVSSVMKMPE<br>DESTPEKRTDKIFRQMDTNNDGKLSLEEFIRGAKSDPSIVRLLQCDPSSASQFTag:CMyc/DDKPredicted MW:2.1 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by<br>conventional chromatography steps.   |
| Propersion cDNA Cloup<br>or AA Sequence:RC203476 protein sequence<br>Red=Cloning site Green=Tags(s)MGK QNSKLRPEVLQDLRENTEFTDHELQEWYKGFLKDCPTGHLTVDEFKKIYANFFPYGDASKFAEHVFR<br>FDTNGDGTIDFREFIALSVTSRGKLEQKLKWAFSMYDLDGNGYISRSEMLEIVQAIYKMVSSVMKMPE<br>DESTPEKRTDKIFRQMDTNNDGKLSLEEFIRGAKSDPSIVRLLQCDPSSASQFTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVFag:C-Myc/DDKPredicted MW:2.1 kDaConcentration:-0.05 µg/µL as determined by microplate BCA methodPurity:-80% as determined by SDS-PAGE and Coomassie blue stainingPuffer:-5 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by<br>conventional dergraphy steps.  |
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| <b>Note:</b> For testing in cell culture applications, please filter before use. Note that you may experience  |
| some loss of protein during the filtration process.  |
| Storage: Store at -80°C.   |
| Stability:Stable for 12 months from the date of receipt of the product under proper storage and<br>handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>RefSeq:</b> <u>NP 602293</u>  |
| Locus ID: 3241   |
| UniProt ID: <u>P37235</u> , <u>Q6FGY1</u> , <u>O75544</u>  |
| RefSeq Size: 1921  |



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|               | VILIP3 (HPCAL1) (NM_134421) Human Recombinant Protein – TP303476M  |
|---------------|--|
| Cytogenetics: | 2p25.1   |
| RefSeq ORF:   | 579  |
| Synonyms:     | BDR1; HLP2; VILIP-3  |
| Summary:      | The protein encoded by this gene is a member of neuron-specific calcium-binding proteins<br>family found in the retina and brain. It is highly similar to human hippocalcin protein and<br>nearly identical to the rat and mouse hippocalcin like-1 proteins. It may be involved in the<br>calcium-dependent regulation of rhodopsin phosphorylation and may be of relevance for<br>neuronal signalling in the central nervous system. Several alternatively spliced transcript<br>variants encoding the same protein have been found for this gene. [provided by RefSeq, Apr<br>2012] |

## **Product images:**



Coomassie blue staining of purified HPCAL1 protein (Cat# [TP303476]). The protein was produced from HEK293T cells transfected with HPCAL1 cDNA clone (Cat# [RC203476]) using MegaTran 2.0 (Cat# [TT210002]).

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