

Product datasheet for **SC319768**

VIP (NM_003381) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | VIP (NM_003381) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | VIP |
| Synonyms: | PHM27 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene sequence for NM_003381.2
 GGGGAGGGGTAGAGTGAGAAGCACCAGCAGGCAACAGCCAACCCCTTAGCCATTGCTA
 AGGGCAGAGAAGTGGTGGAGCCTTTCTCTTACTCCCAGGACTTCAGCACCTAAGACAGCT
 CCAAACAAACCAGAACAGTCAGCTCCGGGGGAGCAGACTGGGCGAGAGGCACAGAAAT
 GGACACCAGAAATAAGGCCAGCTCCTTGTGCTCTGACTCTTCTCAGTGTGCTCTTCTC
 ACAGACTTCGGCATGGCCTCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAAT
 ACCCTTTGAGGGAGCAAATGAACCTGATCAAGTTTCATTAAGAAGACATTGACATGTT
 GCAAAATGCATTAGCTGAAAATGACACACCCTATTATGATGTATCCAGAAATGCCAGGCA
 TGCTGATGGAGTTTTACCAGTGACTTCAGTAACTCTTGGGTCAACTTTCTGCCAAAAA
 GTACCTTGAGTCTTTATGGGAAAACGTGTTAGTAACATCTCAGAAGACCCTGTACCAGT
 CAAACGCTCACTCAGATGCAGTCTTCACTGACAATAACCCGCTTAGAAAACAAATGGC
 TGTAAAGAAATATTTGAACTCAATTCTGAATGGAAAGAGGAGCAGTGAGGGAGAATCTCC
 CGACTTCCAGAAGAGTTAGAAAATGATGAAAAGACCTTTGGAGCAAAGCTGATGACA
 ACTTCCCAGTGAATTCTTGAAGGAAAATGATACGCAACATAATTAATTTTGAGTTCTAC
 ATAAGTAATCAAGAAAACAACCTCAATATCCAAACCAATAAAAATATTGTGTTGTGAA
 TGTTGTGATGATTCTAGCTAATGTAATAACTGTGAAGTTTACATTGTAATAGTATTTG
 AGAGTTCTAAATTTTGTCTTTAACTCATAAAAAGCCTGCAATTTTCATATGCTGTATATCC
 TTTCTAACAAAAAATATATTTAATGATAAGTAAATGCTAGGTTAATTTCAATATATGA
 GACGTTTTTGGAAAGAGTAGTAATAGAGCAAAATGATGTGTTTTATTTATAGAGTGTACTT
 AACTATTCAGGAGAGTAGAACAGATAATCAGTGTGCTAAATTTGAATGTTAAGCAGATG
 GAATGCTGTGTTAAATAAACCTCAAAATGTCTAAGATAGTAACAATGAAGATAAAAAGAC
 ATTCTTCAAAAAGATTTTCAGAAAATATTATGTGTTTCCATATTTTATAGGCAACCTTT
 ATTTTTAATGGTGTTTTAAAAAATCTCAAATTTGGATTGCTAATCACCAAAGGCTCTCTC
 CTGATAGTCTTTCAGTTAAGGAGAACGACCCCTGCTTCTGACACTGAACTTCCCTTTCT
 GCTTGTGTTAAGTATGTGTAATAATGTGAAGTGAATGAAACACTCAGTTGTTCAATAATAA
 ATATTTTTGCCATAATGACTCACAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT



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| Restriction Sites: | Please inquire |
| ACCN: | NM_003381 |
| 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: | <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_003381.2 , NP_003372.1 |
| RefSeq Size: | 1618 bp |
| RefSeq ORF: | 513 bp |
| Locus ID: | 7432 |
| UniProt ID: | P01282 |
| Cytogenetics: | 6q25.2 |
| Domains: | GLUCA |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |
| Gene Summary: | <p>The protein encoded by this gene belongs to the glucagon family. It stimulates myocardial contractility, causes vasodilation, increases glycogenolysis, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2014]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p> |