

## Product datasheet for **SC111704**

### VIP (NM\_003381) Human Untagged Clone

#### Product data:

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><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003381, the custom clone sequence may differ by one or more nucleotides

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ATGGACACCAGAAATAAGGCCAGCTCCTTGCTCCTGACTCTTCTCAGTGTGCTTTCTCACAGACTT
CGGCATGGCCTCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAATACCCTTTGAGGGAGCAAA
TGAACCTGATCAAGTTTCATTAAGAAGACATTGACATGTTGCAAAATGCATTAGCTGAAAATGACACA
CCCTATTATGATGTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTACCAGTGACTTCAGTAACTCT
TGGGTCAACTTTCTGCCAAAAAGTACCTTGAGTCTTTATGGGAAAACGTGTTAGCAGTAACATCTCAGA
AGACCCTGTACCAGTCAAACGTCACTCAGATGCAGTCTTCACTGACAACATACCCGCCTTAGAAAACAA
ATGGCTGTAAGAAATATTTGAACTCAATTCTGAATGAAAGAGGAGCAGTGAGGGAGAATCTCCCGACT
TTCCAGAAGAGTTAGAAAATGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_003381 unedited CGGTCGCATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGGCAGGCAGT AACAGCCAACCCTTAGCCATTGCTAAGGGCAGAGAAGTGGTGGAGCCTTCTCTTACTCC CAGGACTTCAGCACCTAAGACAGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGC ACGACTGGGCGAGAGGCACAGAAATGGACACCAGAAATAAGGCCAGCTCCTTGTGCTCC TGACTCTTCTCAGTGTGCTCTTCTCACAGACTTCGGCATGGCCTCTTTACAGGGCACCTT CTGCTCTCAGTTGGGTGACAGAATACCCTTTGAGGGAGCAAATGAACCTGATCAAGTTT CATTAAAAGAAGACATTGACATGTTGCAAAATGCATTAGCTGAAAATGACACACCCTATT ATGATGTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCAACCAGTGACTTCAGTAAAC TCTTGGGTCAACTTTCTGCCAAAAGTACCTTGAGTCTCTTATGGGAAAACGTGTAGCA GTAACATCTCAAAGACCCTGTACCAGTCAAACGTCACTCAGATGCAGTCTTCACTGACA ACTATACCCGCTTAGAAAACAAATGGCTGTAAGAAATATTTGAACTCAATTCTGAATG GAAAGAGGAGCAGTGAGGGAGAATCTCCGACTTCCAGAAGAGTTAGAAAAATGATGAA NAAGACCTTTGGAGCANAGCTGATGACCACTTCCAGTGAATTCTGAAGGAAACGATAC GCAACATAATTAATTNTGAGTTCTACATAAGTAATTCAAGAAAACAACTTNCATATCCA ACCAATAAAAATATTGNGTGNGAAATGGTNGATGTATTCTAGCTAATGTANTAAGTGG TGAAGTTCACATTGNAATAGTATTTG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003381
<b>Insert Size:</b>	1730 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003381.2</a> , <a href="#">NP_003372.1</a>
<b>RefSeq Size:</b>	1618 bp
<b>RefSeq ORF:</b>	513 bp
<b>Locus ID:</b>	7432
<b>UniProt ID:</b>	<a href="#">P01282</a>
<b>Cytogenetics:</b>	6q25.2
<b>Domains:</b>	GLUCA
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane

**Gene Summary:**

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]

Transcript Variant: This variant (1) encodes the longer isoform (1).