

## Product datasheet for **SC126374**

### **HVCN1 (NM\_032369) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HVCN1 (NM_032369) Human Untagged Clone
Tag:	Tag Free
Symbol:	HVCN1
Synonyms:	HV1; VSOP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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## Fully Sequenced ORF:

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>OriGene sequence for NM_032369 edited
CTCAGACTACAGGTGTGAGCCACCATGCCCGCCTTCTCCTTTAAGTATTGTTGGCCTCA
CTTTCCAACTAAAATGGGAGCTCACTAAGAACAAGGCTGTTCCCTTCATCTTATACTTA
GTACCTTGAAAGGGCCTACCACACAGTAGGTGGTCACGTGTTAGTCTGTTAGGCTTTTTG
GATTTTCTAGGTAGACAATCACATCGATTGCAAATAATAGTCTTTCTCTTTTCAGTCTTT
GTATTTCTTTTTCTTGTTTTATTGCATTGACTGAGCTCATCAGTGAAATGTTGAATAGT
AGCAATGATGGAGGGCACCCCAATCTTATTATGCTCAATACTCATTAAATTTATGCAATAG
GAATGTAAGTACCTACTGCAGGTCAAATCCTGTGCCTGGGGATAACAGTGTAACACATT
TGAGATCTTTTCTGTCCACTGAAATGCCTGAGCAGTAGCAGTATTTTCAGTAAACACGAC
AATGCTGAGAATATCACCAAATCTCCAGACTTGTGAAGTGTCTTTGGGATCCTGGT
TCCCAAAAAGTATGGACATAGGTCCCTGCTGGTGGCCCCAGGTTCCAGGCCATCAGTAAG
GTTGGGGCTGCAGACTGGACACTGCACCGTGGAGCAGAGGTGAAGAAACCAAGACGCA
GAGAGGCCAAGCCCTTGCCTTGGGTACACAGCCAAAGGAGGCAGGCCAGAATCACA
ACCAGATCCAGAGGCAACAGGGACATGGCCACCTGGGACGAAAAGGCAGTCACCCGAGG
GCCAAGGTGGCTCCCGCTGAGAGGATGAGCAAGTCTTAAGGCACTTCACGGTCGTGGGA
GACGACTACCATGCCTGGAACATCAACTACAAGAAATGGGAGAATGAAGAGGAGGAGGAG
GAGGAGGAGCAGCCACCACCCACACAGTCTCAGGCGAGGTCATCATCATCTGCTTGGTG
GTTCTGGATGCCCTCCTGGTGTGCTGAGCTCATCCTGGACCTGAAGATCATCCAGCCC
GACAAGAATAACTATGCTGCCATGGTATTCACACTACATGAGCATCACCATCTTGGTCTTT
TTTATGATGGAGATCATCTTTAAATTTTGTCTTCCGCTGGAGTCTTTTACCACAAG
TTTGAGATCCTGGATGCCGTCGTGGTGGTCTCATTTCATCCTCGACATTGTCCTCCTG
TTCCAGGAGCACCAGTTTGAGGCTCTGGCCTGCTGATTCTGCTCCGGCTGTGGCGGGTG
GCCCGGATCATCAATGGGATTATCATCTCAGTTAAGACACGTTTCAAGACGCAACTCTTA
AGGTTAAAACAGATGAATGTACAATTGGCCGCCAAGATTCAACACCTTGAGTTTCAGCTGC
TCTGAGAAGGAACAAGAAATTGAAAGACTTAACAACTATTGCGACAGCATGGACTTCTT
GGTGAAGTGAAGTAGACCCGGACAGCTCCCTCAAAAAGAAGACTGTCTCATGGGCC
TGTGCTGTACGAGAGGAACAGCTGCCCTCCTGGGCCGCTTGGTGGAGGTTTGGTTTG
ATACCTCTGCCTCCCTCCTGCCAGCATGGATTCTGGGTGGACACAGCCTTGTGGAAGGTC
CAGTACCACCAAGAGCTGCCATCCACTCCACCCACACTGTATCAAATGTATCACATT
TTCTCATGTTGAACACTTTAGCCTTAATTGAAAATGAGCAACAAGCTGGACAATTGCTA
GTTGTATATAAAATTTAATCTCACCGAATGTACAGTTTTCAAATTTACAGTGTATATTAA
GGAAGTATGATGATCTGAGCATTCTGAAAGAAAGAAAAGAAGCTACTTTAGCTGCCACCC
CATTCTAGAAAAGTCTCTTATTTTCAAGCTGTTCTAAATAGCTTCGTCTCAGTTTCCCA
AAAGGGTACCCAGGCCCTCCTCTGTGTGCCAGCTGCATCAGCCAGCTTCTAGGTGG
CTCCATTGTTTTCTGCCACCTGACAACATTTTTCTCAATTACTGTACAACACTACTGTATA
AAATAAAACAACACTACTGTATAAAATAAACTCTCTTTTTCCCTGGAAAAAAAAAAAAAAA
AAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_032369 unedited GTTACATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCAGACTACAGGTGTGAGCCACCATGCCCGCCTTCTCCTTTAAGTATTGTTGGCCTCACTTTCCAACTAAAATGGGAGCTCACTAAGAACAAGGCTGTTCCCTTCACTTATACTTAGTACCTTGAAAGGGCCTACCACACAGTAGGTGGTCACGTGTTAGTCTGTTAGGTCTTTGGATTTCTAGGTAGACAATCACATCGATTGCAAAATAATAGTCTTTTCTTTTCAGTCTTTGTATTTCTTTTCTTGTATTTATTGCATTGACTGAGCTCATCAGTAAAATGTTGAATAGTAGCAATGATGGAGGGCACCCCAATCTTATTATGCTCAATACTCATTAAATTTATGCAATAGGAATGTAAGTACCTACTGCAGGTCAAATCCTGTGCCTGGGGATAACAGTGAACACATTTGAGATCTTTTCTGTCCACTGAAATGCCTGAGCAGTAGCAGTATTTAGTAAACACGACAATGCTGAGAATATCACCAAATCTCCAGACTTGCTGAAGTGTTCCTTTGGGATCCTGGTCCCAAAGTATGGACATAGGTCCTGCTGGTGGCCCCAGGTTCCAGGCCATCAGTAAGGTTGGGGCTGCAGACTGGACACTGCACCGTGGAGCAGAGGTGAAGAAACCAAGACGCAGAGAGGCCAAGCCCCTTGCCTTGGGTCACACAGCCAAAGGAGGCAGAGCCAGAACTCACAACCAGATCCAGAGGCAACAGGGACATGGCCACCTGGGACAAAAGGCAGTCACCCGCAGGGCCAAGGTGGCTCCCGCTGAGAGGATGAGCAAGTCTTAAGCACTTCACGGTCGTGGGAGACGACTACCATGCCTGGNNACATCACTACCAGAATGGNAGAATGNNAGAGNAGGAGAG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_032369
<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_032369.1</a> , <a href="#">NP_115745.1</a>
<b>RefSeq Size:</b>	2103 bp
<b>RefSeq ORF:</b>	711 bp
<b>Locus ID:</b>	84329
<b>UniProt ID:</b>	<a href="#">Q96D96</a>
<b>Cytogenetics:</b>	12q24.11
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

This gene encodes a voltage-gated protein channel protein expressed more highly in certain cells of the immune system. Phagocytic cells produce superoxide anions which require this channel protein, and in B cells this same process facilitates antibody production. This same channel protein, however, can also regulate functions in other cells including spermatozoa. Multiple transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Jan 2012]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.