

Product datasheet for **SC332374**

HVCN1 (NM_001256413) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HVCN1 (NM_001256413) Human Untagged Clone
Tag: Tag Free
Symbol: HVCN1
Synonyms: HV1; VSOP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332374 representing NM_001256413.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGCAAGTTCTTAAGGCACTTCACGGTCGTGGGAGACGACTACCATGCCTGGAACATCAACTACAAG
AAATGGGAGAATGAAGAGGAGGAGGAGGAGGAGGAGCAGCCACCACCCACCCAGTCTCAGGCGAGGAA
GGCAGAGCTGCAGCCCTGACGTTGCCCTGCCCTGGCCCGCACCCAGGGCCCCCTTGACTTCAGG
GGCATGTTGAGGAACTGTTGAGCTCCACAGTTTCAGGTCATCATCATCTGCTGGTGGTTCTGGAT
GCCCTCCTGGTGTGCTGAGCTCATCTGGACCTGAAGATCATCCAGCCGACAAGAATAACTATGCT
GCCATGGTATTCCACTACATGAGCATCACCATCTTGGTCTTTTTATGATGGAGATCATCTTTAAATTA
TTTGTCTCCGCCTGGAGTTCTTTCACCACAAGTTTGAGATCCTGGATGCCGTCGTGGTGGTGGTCTCA
TTCATCTCGACATTGTCTCCTGTTCCAGGAGCACCAGTTTGAGGCTCTGGGCCTGCTGATTCTGCTC
CGGCTGTGGCGGGTGGCCCGGATCATCAATGGGATTATCATCTCAGTTAAGACACGTTTCAGAACGGCAA
CTCTTAAGGTTAAACAGATGAATGTACAATTGGCCGCAAGATTCAACACCTTGAGTTCAGCTGCTCT
GAGAAGGAACAAGAAATTGAAAGACTTAACAACTATTGCGACAGCATGGACTTCTTGGTGAAGTGAAC
TAG
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001256413
Insert Size: 762 bp
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).



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Reconstitution Method:

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_001256413.1](#)

RefSeq Size: 1696 bp

RefSeq ORF: 762 bp

Locus ID: 84329

UniProt ID: [Q96D96](#)

Cytogenetics: 12q24.11

Protein Families: Druggable Genome, Transmembrane

MW: 29.4 kDa

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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct N-terminus compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.