

Product datasheet for **SC310924**

HVCN1 (NM_001040107) Human Untagged Clone

Product data:

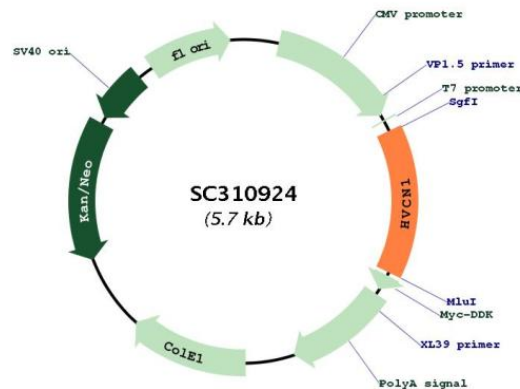
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | HVCN1 (NM_001040107) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | HVCN1 |
| Synonyms: | HV1; VSOP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC310924 representing NM_001040107. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACCTGGGACGAAAAGGCAGTCACCCGAGGGCCAAGGTGGCTCCCGCTGAGAGGATGAGCAAG
TTCTTAAGGCACTTACGGTCGTGGGAGACGACTACCATGCCTGGAACATCAACTACAAGAAATGGGAG
AATGAAGAGGAGGAGGAGGAGGAGGAGCAGCCACCACCCACACAGTCTCAGGCGAGGAAGGCAGAGCT
GCAGCCCCTGACGTTGCCCTGCCCTGGCCCCGACCCAGGGCCCCCTTGACTTCAGGGGCATGTTG
AGGAAACTGTTTCAGCTCCACAGGTTTCAGGTCATCATCATCTGCTTGGTGGTTCTGGATGCCCTCTG
GTGCTTGCTGAGCTCATCTGGACCTGAAGATCATCCAGCCCACAAGAATAACTATGCTGCCATGGTA
TTCCACTACATGAGCATACCATCTTGGTCTTTTTATGATGGAGATCATCTTTAAATTATTTGTCTTC
CGCCTGGAGTTCTTTACCACAAGTTTGAGATCCTGGATGCCGTGCTGGTGGTGGTCTCATTTCATCTC
GACATTGTCTCTGTTCCAGGAGCACCAGTTTGAGGCTCTGGGCTGCTGATTCTGCTCCGGCTGTGG
CGGGTGGCCCGGATCATCAATGGGATTATCATCTCAGTTAAGACACGTTCAGAACGGCAACTCTTAAGG
TTAAAACAGATGAATGTACAATTGGCCGCAAGATTCAACACCTTGAGTTCAGCTGCTCTGAGAAGGAA
CAAGAAATTGAAAGACTTAACAACTATTGCGACAGCATGGACTTCTTGGTGAAGTGAACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001040107

Insert Size: 822 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).

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:

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_001040107.1](#)

RefSeq Size: 1736 bp

RefSeq ORF: 822 bp

Locus ID: 84329

UniProt ID: [Q96D96](#)

Cytogenetics: 12q24.11

Protein Families: Druggable Genome, Transmembrane

MW: 31.7 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 (1) represents the longest transcript and encodes the shorter protein (isoform 1). Variants 1 and 2 encode the same protein.