

Product datasheet for SC317394

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317394 representing NM_032369. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACCTGGGACGAAAAGGCAGTCACCCGAGGGCCAAGGTGGCTCCCGCTGAGAGGATGAGCAAG
TTCTTAAGGCACTTCACGGTCGTGGGAGCAGACTACCATGCTGGAACATCAACTACAAGAAATGGGAG
AATGAAGAGGAGGAGGAGGAGGAGGAGCAGCCACCACCCACACAGTCTCAGGCGAGGAAGGCAGAGCT
GCAGCCCTGACGTTGCCCTGCCCTGGCCCGCACCCAGGGCCCCCTTGACTTCAGGGGCATGTTG
AGGAAACTGTTTCAGCTCCACAGGTTTCAGGTCATCATCATCTGCTTGGTGGTTCTGGATGCCCTCTG
GTGCTTGCTGAGCTCATCTGGACCTGAAGATCATCCAGCCGACAAGAATAACTATGCTGCCATGGTA
TTCCACTACATGAGCATACCATCTTGGTCTTTTTATGATGGAGATCATCTTTAAATTATTTGTCTTC
CGCCTGGAGTTCTTTACCACAAGTTTGAGATCCTGGATGCCGTGCTGGTGGTGGTCTCATTTCATCTC
GACATTGTCTCTGTTCCAGGAGCACCAGTTTGAGGCTCTGGCCTGCTGATTCTGCTCCGGCTGTGG
CGGGTGGCCCGGATCATCAATGGGATTATCATCTCAGTTAAGACACGTTTCAGAACGGCAACTCTTAAGG
TTAAAACAGATGAATGTACAATTGGCCGCAAGATTCAACACCTTGAGTTCAGCTGCTCTGAGAAGGAA
CAAGAAATTGAAAGACTTAACAACTATTGCGACAGCATGGACTTCTTGGTGAAGTGAAC TAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_032369
Insert Size:	822 bp



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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_032369.3
RefSeq Size:	1727 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:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>