

Product datasheet for **MC226703**

Hvcn1 (NM_028752) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hvcn1 (NM_028752) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hvcn1
Synonyms: 0610039P13Rik; AI450555; BTS; HV1; mVSOP; Vsop.
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226703 representing NM_028752
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTTCCCATGACCCAAAGGCCGTCCTCGCAGAACCAAGGTGGCTCCACCAAGAGGATGAGCAGGT
TCTTGAACACTTTACGGTGGTTGGGGACGACTACCACACGTGGAATGTCAACTACAAGAAGTGGGAGAA
TGAGGAGGAGGAGGAGGCCAGCGCCACATCAGCAGAGGGTGAGGGCAATGCTGAGGGCCAGATGCC
GAGGCTGGCTCTGCCTCCACGCCAGGCAGTCCCTGGACTTCAGGAGCCGACTGAGGAACTCTTCAGTT
CCCACAGGTTTCAGGTCATCATCTGCTGGTGGTCTGGACGCCCTCCTCGTCTTGCCTGAACCTCT
CCTGGATTTGAAGATCATCGAGCCGGACGAGCAAGACTATGCGGTACGGCGTCCACTACATGAGCTTT
GCCATCCTGGTCTTCTTCATGTTGGAGATTTTTTCAAGATCTTCGTCTCCGCTTAGAGTTCTTCCACC
ACAAGTTTGAGATCCTGGATGCCTTCGTGGTGGTGTCTTTCGTCTTGACCTTGCTCTTGTTTAA
AAGCCACCACTTCGAAGCTTAGGGCTGCTGATCTTGTCTCGGCTCTGGAGGGTGGCCCGGATCATCAAT
GGCATCATCATCTCCGTGAAGACAGCTCAGAACGGCAGATCTTAAGGCTAAAGCAGATAAATATCCAAC
TGGCCACCAAGATCCAGCATCTGGAATTCAGCTGCTCCGAGAAGGAACAAGAAATTGAGCGGCTCAACAA
GCTGTTGAAACAGAATGGACTTCTCGGGACGTGAAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028752
Insert Size: 810 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_028752.3</u> , <u>NP_083028.1</u>
RefSeq Size:	2652 bp
RefSeq ORF:	810 bp
Locus ID:	74096
UniProt ID:	<u>Q3U2S8</u>
Cytogenetics:	5 F
Gene Summary:	<p>Mediates the voltage-dependent proton permeability of excitable membranes. Forms a proton-selective channel through which protons may pass in accordance with their electrochemical gradient. Proton efflux, accompanied by membrane depolarization, facilitates acute production of reactive oxygen species in phagocytosis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.</p>