

Product datasheet for **SC119920**

JPH4 (NM_032452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JPH4 (NM_032452) Human Untagged Clone
Tag:	Tag Free
Symbol:	JPH4
Synonyms:	JP4; JPHL1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032452, the custom clone sequence may differ by one or more nucleotides

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ATGTCCCCGGGGCAAGTTCGACTTTGACGACGGGGCTGCTACGTGGGGGCTGGGAGGCGGGCGGG
CACATGGCTACGGCGTGTGCACGGGCCCGCGCCAGGGCGAGTACAGCGGCTGCTGGCACACGGCTT
CGAGTCACTGGGGTCTTCACGGGGCCCGCGGACACAGCTACCAGGGCCACTGGCAGCAGGGCAAGCGC
GAAGGGCTGGGCGTGGAGCGCAAGAGCCGCTGGACGTACCGCGGCGAGTGGCTGGGCGGGCTGAAGGGC
GCAGCGCGTGTGGAAAGCGTGTCCGGCTGCGCTACGCCGGGCTCTGGAAGGACGGTTTCCAGGACGG
CTACGGCACTGAGACCTACTCCGACGGAGGCACCTACCAGGGCCAGTGGCAGGCCGGGAAGCGCCACGGC
TACGGGGTACGCCAGAGTGTGCCCTACCATCAGGCGGCGTGTGCGCTCGCCCCCGCACCTCCCTGG
ATTCGGGCACAGCGACCCCGACGCCACCCCGCCCTGCCCTTGGCGGGGACGAGGGAGGCAGCCC
CGCCTCGGGCTCCCGGGCGGCTTCGTGTGGCCGGGCCGGGACGCCGCGCGCTCGTCCGAAAG
CGCACTCCGGCGCCGGCGGATTCTTTCGCGTTCGTGTGCTCAGCGGGCTCCGAGCGGGCGGACGTC
GCAGCTCCCTGGCAGCAAGCGAGGCTCCCTGCGCAGCGAGGTGAGCAGCGAGGTGGCAGCACCGGACC
GCCCGGCTCGGAGGCCAGCGGGCCCCGGCCGACGCGCCGCCCGCCCTCATCGAGGGCTCGGCCACAGAG
GTGTACCGCGGGCAGTGGCGCGCAGATCGGCGCAGCGGCTTCGGCGTCAGCCAGCGCTCCAACGGGCTGC
GCTACGAGGGCGAGTGGCTGGGCAACCGGCGCACGGCTACGGGCGCACCCCGCCCCGACGGCTCCCG
CGAGGAGGGCAAGTACAAGCGCAACCGGCTGGTGCACGGCGGGCGGTCCGCAGTCTCCTGCCTGTGGC
CTTCGGCGGGCAAGGTTAAGGAGAAGTGGACAGGGTGTGAGGGCGCCCGTGGAGCCGTGAGTGTG
CCCGTCAAGCGCAGGAGATCGCCGCTGCCAGGGCAGCAGACGCCCTCCTAAAGGCAGTGGCAGCCAGCAG
TGTGCTGAGAAGGCCGTGGAGGCAGCTCGAATGGCCAACTGATAGCCAGGACCTGCAGCCATGCTA
GAGGCCCCAGGCGCAGACCCAGGCAGGACTCAGAAGTTCGACACGGAGCCCTGGATGAGGAGGAGG
CTGGGGTATATGAGAACGGACTGACCCCTCAGAGGGATCCCTGAACTGCCAGCAGTCCCTGCCTCCTC
CCGCCAACCTGGCGACCCCTGCCTGCGGAGGCCACTGCCTCCTGGAGGGGACAGGGTCCCTTCTCC
AGCCCCAAAGCTTGGCTGAGGAGTGGGGGGGGCAGGCGCACAGGCAGAGGAACTAGTGGCTATGAGG
CTGAGGATGAGGCTGGGATGCAAGGGCCAGGGCCAGAGACGGTTCCTCCACTCCTCGGAGGCTGCAGCGA
CAGTTCAGGAAGTCTTCGAGAGGAGGAGGGGAGGATGAAGAGCCCTGCCCGGCTGAGGGCCCCAGCA
GGCACGGAGCCTGAGCCATCGCCATGCTGGTCTGAGGGGCTCGTCTCGAGGGGCTCTGATGCTGGGT
GCCTGACAGAAGAGCTCGGGGAGCCGCTGCAACCGAGAGGCTGCCAGCCGGGAGCTGCCAACCCCT
GGTGGTGGGAGCGTGGCCCTCCTGGACCTCAGCTGGCATTCTGTTCTCCAGCTCCTCACCTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032452 unedited

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TGCACCAATTTGTAATACGACTCACTATAGGGCGGCNCGCAATTCGCACGAGGCTCCCA
GCCCGCATGCCAGGATTTCTCTCCTCCCTGGGGTCTCAGTGCATCTCCTTCTCCTCTCT
GCCTGCCTCCTCCCTCACCGAAGGGTTAGCGGACACCCATCCTTTTCTGCTTGGGGACCC
CACCACCACCCGCAACACTGCCGCTGTCTTCTTACCAGTATCCTTCTTACCCACCCT
CTTCTCTCTTCTTCTCCTGCCCTTTAAATCTGCCTGGCCAGCCTCCCCGTGATG
CTGGGATGGAGCAAACATTGATTTGTGCTGGGATGGAATCGGAATTTTGATTTATTTTTC
CTCTCCCAACCATAAAGAAGAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA
CTACTCTAGATTGCGGCGCGGTC
ATAGCTGTTTCTGAAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTC
CTGGCCCTGGAAGTTGCCACTCCAGTGCCACACAGCCTTGTCTAATAAAATTAAGTTGC
ATCATTGTGCTGACTAGGTGTCCTTCTATAATATTATGGGGTGGAGGGGGCGGCATGG
GACCAGGGGCAAGTTGCGAAAACAACCTGTACGGCCCGCGGGGCTATTGGGCACCCAAC
TGGAAATGCATGGGCACCAATCTGGCCTCACTGAATCTTCCGGCTTCTGGGGTTCAGCCGA
TCCTCCTGTCTCACCCCCCAACTTGTGGGACTTCAAGCCATGATCGACCACGCTCAA
CCTAATTTTCTTCTTTGCGAAAACCGGGTCCACCATACTGGCCACCCTGGTCCAT
CCCTAACGCACAGTGTACTACCCACTTGGCCTTCCACAATGTGTGGAATAAAACCCCAA
CAACAGGACCCCTTCCCTGACCTCTGAAATCCAG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032452 unedited TTAGCTTTGNACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTCTTCTTATG GGTTGGNAGAAGGGAAAAATAATCAAAATCCGATTCCATCCCAGCACAAATCAATGT TTGCTCCATCCCAGCATCACGGGGAGGCTGGGCCAGGCAGATTTAAAGGGGCAGGGAGA AGAGAAGAGAGAAGAGGGTGGGTAGAGAAGGATACGGTGAAGAAGAGACAGCGGCAGTGT TGCGGGTGGTGGTGGGGTCCCCAAGCAGAAAAGGATGGGTGCCCTAACCTTCGGTGA GGGAGGAGGCAGGAGAGAGGAGAAGGAGATGCACTGAGACCCCGAGGAGGAGAGAAAT CCTGGCATGCGGGCTGGGAGCCTCGTGCCGAATTCGCGGCCGCCATAGTGAGTCGTAT TACAAAATTCTGACGGTTCACTAAACGAGCTCTGCTTATATAGACCTCCACCGTACACG CCTACCGCCATTTCGTCACGGGGCGGGGTATTACGACATTTTGAAAGTCCCGTTG ATTTTGGTGCCAAAACAACTCCATTGACGTCAATGGGGTGGAGACTTGGAAATCCCCG TGAGTCAAACCGCTATCCACGCCATTGGTGTACTGCCAAAACCGCATCACCATGGTAAT AGCGATGACTAATACGTAGATGTACTGCCAAGTAGGAAAGTCCCGTAAGGTCATGTACTG GGCATAATGCCAGCGGGCCATTTACCGTCATTGACGTCAATAGGGGGCCGGACTTGGCA TATGATACACTTGATGTACTGCCAAGTGGGGCAGTTACCGTAATACTCCACCCATTGAC GTCAATGGNAAAGTCCTATTGGCCGTACTATGGGAACATACGTCAATNATTGACGTATGG GGCGGGGTCCGTTGGCNGGTCACCAGNCGGGCCATTTACCGTAAGTTATGTACGCGGAA CTCCTAAATGGGCTTN
Restriction Sites:	NotI-NotI
ACCN:	NM_032452
Insert Size:	380 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).
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_032452.1</u> , <u>NP_115828.1</u>
RefSeq Size:	4396 bp
RefSeq ORF:	1887 bp
Locus ID:	84502
UniProt ID:	<u>Q96JL6</u>
Cytogenetics:	14q11.2

Gene Summary:

This gene encodes a member of the junctophilin family of transmembrane proteins that are involved in the formation of the junctional membrane complexes between the plasma membrane and the endoplasmic/sarcoplasmic reticulum in excitable cells. The encoded protein contains a conserved N-terminal repeat region called the membrane occupation and recognition nexus sequence that is found in other members of the junctophilin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.