

Product datasheet for **SC327613**

JPH4 (NM_001146028) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JPH4 (NM_001146028) Human Untagged Clone
Tag:	Tag Free
Symbol:	JPH4
Synonyms:	JP4; JPHL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001146028, the custom clone sequence may differ by one or more nucleotides

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ATGTCCCCGGGGCAAGTTCGACTTTGACGACGGGGGCTGCTACGTGGGGGGCTGGGAG
GCGGGGCGGGACATGGCTACGGCGTGTGCACGGGCCCGGGCCAGGGCGAGTACAGC
GGCTGTGGGCACACGGCTTCGAGTCACTGGGCGTCTTACGGGGCCCGGGACACAGC
TACCAGGGCCACTGGCAGCAGGGCAAGCGCAAGGGCTGGGCGTGGAGCGCAAGAGCCGC
TGGACGTACCGCGGAGTGGCTGGGCGGGCTGAAGGGGCGCAGCGGCGTGTGGAAAGC
GTGTCCGGCCTGCGCTACGCCGGGCTCTGGAAGGACGGTTTCCAGGACGGCTACGGCACT
GAGACCTACTCCGACGGAGGCACCTACCAGGGCCAGTGGCAGGCCGGAAGCGCCACGGC
TACGGGTACGCCAGAGTGTGCCCTACCATCAGGCGGCGTGTGCGCTCGCCCCGCCGC
ACCTCCCTGGATTCCGGCCACAGCGACCCCCGACGCCACCCCCGCCCTGCCCTTGCCG
GGCAGCAGGGAGGCAGCCCCGCTCGGGCTCCCGGGGCGGCTTCGTGCTGGCCGGGCC
GGGACGCCGACGGCGCTCGTCCGAAAGCGCACTCCGGCGGCCGGCGATTCTTTCGC
CGTTCGTGCTGCTCAGCGGGCTCCGAGCGGGCGACGTCGACGCTCCCTGGGCAGCAAG
CGAGGCTCCCTGCGCAGCGAGGTGAGCAGCGAGGTGGGCAGCACCGGACCGCCCGCTCG
GAGGCCAGCGGGCCCCCGCCGACGCGCCCGCCCTCATCGAGGGCTCGGCCACAGAG
GTGTACGCGGGGAGTGGCGCGCAGATCGGCGCAGCGGCTTCGGCGTCAGCCAGCGCTCC
AACGGGCTGCGCTACGAGGGCGAGTGGCTGGGCAACCGGCGGCACGGCTACGGGCGCACC
ACCCGCCCGACGGCTCCCGCGAGGAGGGCAAGTACAAGCGCAACCGGCTGGTGCACGGC
GGGCGCGTCCGCACTCCTGCTTGGCCCTTCGGCGGGGCAAGGTTAAGGAGAAGGTG
GACAGGGCTGTGAGGGCGCCGTCGAGCCGTGAGTGTGCCGTGAGCGCCAGGAGATC
GCCGTGCCAGGGCAGCAGACGCCCTCCTAAAGGCAGTGGCAGCCAGCAGTGTGCGCTGA
AAGGCCGTGGAGGCAGTCAATGGCCAACTGATAGCCAGGACCTGCAGCCATGCTA
GAGGCCCGAGGCCGAGACCCAGGCAAGTCCGACACGGAGCCCTGGAT
GAGGACAGCCCTGGGTATATGAGAACGACTGACCCCTCAGAGGGATCCCCTGAACTG
CCCAGCAGTCTGCTCCTCCGCCAACCTGGCGACCCCTGCTGCGGAGCCCACTG
CCTCCTGGAGGGGACCAGGGTCCCTTCCAGCCCAAAGCTTGGCTGAGGAGTGGGG
GGGGCAGGCGCACAGGCAGAGGAAGTGGCTATGAGGCTGAGGATGAGGCTGGGATG
CAAGGGCCAGGGCCAGAGACGGTTCCTCCACTCCTCGGAGGCTGCAGCGACAGTTCAGGA
AGTCTTCGAGAGGAGGAGGGGAGGATGAAGAGCCCTGCCCGCTGAGGGCCCGAGCA
GGCAGCGAGCCTGAGCCATCGCCATGCTGGTCTGAGGGGCTGTCCTCGAGGGTCTCT
GATGCTGGGTGCTGACAGAAGAGCTCGGGGAGCCCGCTGCAACCGAGAGGCCTGCCAG
CCGGGAGCTGCCAACCCCTGGTGGTGGGAGCCGTGGCCCTCTGGACCTCAGCTGGCA
TTCTGTCTCCAGCTCCTCACC
    
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Restriction Sites: Please inquire

ACCN: NM_001146028

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_001146028.1](#), [NP_001139500.1](#)

RefSeq Size: 4278 bp

RefSeq ORF: 1887 bp

Locus ID: 84502

UniProt ID: [Q96JJ6](#)

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 (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.