

Product datasheet for **RC222984**

JPH1 (NM_020647) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JPH1 (NM_020647) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JPH1
Synonyms:	CMT2K; JP-1; JP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC222984 representing NM_020647
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGGCGGAAGGTTTCGACTTCGACGATGGCGGCACCTACTGCGGCGGCTGGGAGGAGGCAAGGCGC
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 GGTGGTCGGAGGCTACACCTGGCCACGGCAACACCTACCAGGGCTACTGGGCGCAGGGCAAGCGGCAC
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 CATCCCAACCCAGTAACGGGGAGCTGCATTCTCAGTATCACGGCTACTACGTGAAGCTGAACGCCCC
 CAGCACCTCCAGTAGACGTGGAGGACGGCGATGGATCCAGCCAGTCTTCTCAGCACTGGTGCACAAGC
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 AAAGAAGCAAATTCAGGCCCTAATTCAATCATGATTGTCTTGTGATGCTGTTGAATATCGGGTTGGCCA
 TTCTTTTGTTCACCTTTCTAACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222984 representing NM_020647
Red=Cloning site Green=Tags(s)

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MTGGRFDFFDDGGTYCGGWEEGKAHGHGICTGPKGQGEYSGSWSHGFVVGYYTWPSTGNTYQGYWAQKGRH
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KTREKVDRAIEGAQRAAAMARTKVEIANSRTAHARAKADAADQAALAAARQECDIARAVARELSPDFYQPG
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GARLNQDKRVADEQVTAIVNKPLMSKAPTKEAGAVVPQSKYSGRHHIPNPSNGELHSQYHGYYVKNAP
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KEANSGPNSIMIVLVMLLNIGLAILFVHFLT
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8102_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020647

ORF Size: 1983 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020647.4](#)

RefSeq Size: 4373 bp

RefSeq ORF: 1986 bp

Locus ID: 56704

UniProt ID: [Q9HDC5](#)

Cytogenetics: 8q21.11

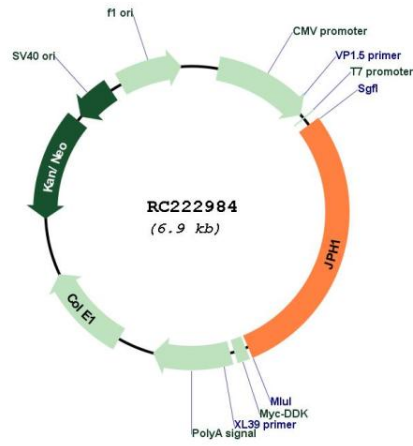
Domains: MORN

Protein Families: Transmembrane

MW: 71.7 kDa

Gene Summary: Junctional complexes between the plasma membrane and endoplasmic/sarcoplasmic reticulum are a common feature of all excitable cell types and mediate cross talk between cell surface and intracellular ion channels. The protein encoded by this gene is a component of junctional complexes and is composed of a C-terminal hydrophobic segment spanning the endoplasmic/sarcoplasmic reticulum membrane and a remaining cytoplasmic domain that shows specific affinity for the plasma membrane. This gene is a member of the junctophilin gene family. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222984