

Product datasheet for **MC218681**

Jph4 (BC052049) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jph4 (BC052049) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jph4
Synonyms:	JP-4, JPHL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC052049
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTC~~CCCCGGGGCAAGTT~~CGACTTTGACGACGGGGCTGCTACGTGGGGGCTGGGAGCGGGGCGGG
 CACATGGCTACGGCGTGTGCACCGGGCCCGCGCCAGGGAGAGTACAGCGGCTGCTGGGCTCACGGCTT
 CGAGTCGTGGGTGTCTTACGGGGCCCGCGGACACAGTTACCAGGGCCACTGGCAGCAGGGCAAGCGC
 GAAGGGCTGGGCGTGGAGCGCAAGAGCCGCTGGACCTACCGCGCGAGTGGCTGGGCGGGCTGAAGGGG
 GCAGCGCGGTATGGGAGAGCGTGTCCGGCTGCGCTACGCGGGCTCTGGAAGGACGGCTTCCAGGACGG
 CTACGGCACCGAGACCTACTCGGATGGAGGCATTACCAAGGCCAGTGGCAAGCCGGGAAACGCCACGGC
 TACGGGGTGC~~CCAAAGTGTACCCTACCACCAGGCGCGCTTCTGCGCTACCCCCCGCACCTCCCTGG~~
 ACTCCGGCCACAGCGACCCCGACGCCCTCCACCCCTACCCCTACCAGGAGATGAAGGAGGCAGCCC
 AGCCTCCGGCTCCCGAGGCGGCTTCGTGCTGGCGGGCCAGGGGACGCCAGCGGGCGTCTCCCGTAAG
 CGACCCACAGCAGAGTGGATTCTCCGCCGTTCACTGCTGCTAGCGGGCTCCGGGCTGGTGGGCGCC
 GCAGCTCCCTGGGCGAGCAAGAGGGGATCTCTACGCGAGGAGTGAAGCAGGAAAGTGGGCAGTACAGGACC
 CCCGGGCTCCGAGGCCAGCGGGCCCAATCCCAGCTCCACCTGCCCTCATCGAGGGCTCAGCCACTGAG
 GTGTACGCCGGTGAAGTGGCGTGGGACCGGCGCAGTGGCTATGGAGTGAAGCAGAGATCCAACGGGCTGC
 GCTACGAAGGCGAGTGGCTGGGCAACCGACGCCACGGATACGGGCGCACCACCGGCCGATGGCTCCCG
 TGAGGAGGGCAAGTACAAGCGTAACCGGCTGGTACACGGGGACGTGTCCGCAGCCTCCTGCCTCTGGCC
 CTTAGACGGGGCAAAGTCAAGGAGAAAGTGGACAGGGCTGTGCAAGGTGCCCGTCGAGCTGTGAGTGTG
 CCCGCCAGCGCCAGGAAATTGCGGCTGCCAGGGCAGCAGACGCCCTCTAAAAGCAGTGGCAGCCAGCAG
 CGTCGCGGAGAAGGCTGTGGAGGCTGCGCGGATGGCCAAGCTGATAGCCCAAGGATCTACAACCCATGTTA
 GAGGCCCCAGGCCGAGACCCAGACAGGACTCAGGAGTTCTGACACAGAGCCTTTGGATGAGGACAGCC
 CTGGGGTATACGAGAATGGACTGACCCCTCAGAGGGCTCTCCGGAACACCCAGCAGCCCCGCCTCCTC
 CCACCAACCTTGGCGAGCCCTGCCTGCCGGAGTCCACTGCCTCCTGGAGGGAAGTGGGGCCCTTCTCC
 AGCCCTAAAGCTTGGCCGAGGAGTGGGGGGTCTGGTGAAGCAGGAGGAACTAGCTGGCTATGAGG
 CTGAGGATGAGGCTGGGGTGCAGGGTCCAGGACCAAGAGATGGTCCCCACTTCTCGGAGGCTGCAGTGA
 CAGTTCAGGAAGTCTTCGAGAGGAGGAGGGGAAGACGAAGATCCTTGC~~CCCAACTGAGGGCCCCAGGA~~
 GGCTCAGAGTCTGAGCCTGTACCACGCCAGTTTTGAGGGCCTGTCTTCAAGGGTCTGATGCTGGGT
 GCCTGACAGAAGAGGTTGAGGAGCCTGCTCCACCGAGAGGCCTGCCAGCCGGGAGCTGCCAACCCCT
 GGTGGTGGGAGCCGTGGCCTGTGTGACCTCAGCCTGGCCTTCTGTTCTCCAGCTCCTCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC052049

Insert Size: 1887 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:

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: [BC052049](#), [AAH52049](#)

RefSeq Size: 3556 bp

RefSeq ORF: 1886 bp

Locus ID: 319984

Cytogenetics: 14 C3

Gene Summary: Junctophilins contribute to the formation of junctional membrane complexes (JMCs) which link the plasma membrane with the endoplasmic or sarcoplasmic reticulum in excitable cells. Provides a structural foundation for functional cross-talk between the cell surface and intracellular calcium release channels. JPH4 is brain-specific and appears to have an active role in certain neurons involved in motor coordination and memory.[UniProtKB/Swiss-Prot Function]