

Product datasheet for **MC220178**

Jph1 (NM_020604) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jph1 (NM_020604) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jph1
Synonyms:	ENSMUSG00000054314; JP-1; Jp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220178 representing NM_020604
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGGCGGAAGGTTTCGACTTCGACGATGGCGGCACCTACTGCGGCGGCTGGGAGGAGGCAAGGCGC
 ACGGGCATGGCATCTGCACGGGGCCCAAGGGCCAGGGCGAGTACTCTGGCTCCTGGTCGCACGGCTTCGA
 GGTGGTTGGAGTCTACACCTGGCCAGCGGCAACACCTACCAGGGCTACTGGGCGCAGGGCAAGCGGCAC
 GGGCTGGGGTGGAGACGAAGGGCAAGTGGATGTACCGGGGGAGTGGTCACATGGTTTCAAGGGCGCT
 ACGGGTCCGGCAGAGCTTGTGACCCCCCGCCGCTACGAGGGGACCTGGAGTAACGGGCTGCAGGACGG
 GTACGGCGTGGAGACCTACGGGGATGGAGGTACCTACCAGGGCCAGTGGGCTGGAGGCATGCGGCATGGC
 TACGGTGTCCGCCAGAGTGTGCCCTATGGCATGGCCACAGTGATCCGTTCCCGCTGCGCACTTCCCTGG
 CCTCGTGCAGTGTGAGCAGAGCAACGGCAGCGTGTGTCATGAAGCTGCAGCCGAGCTGCAGACAGCCC
 GGCTGGAACAAGAGGTGGCTTCGTGCTCAACTTCCATGCGGACACGGAATGGGCAAGAAGAAGGGCGGC
 CTCTTCGGTCCGGGTTCCCTTCTCGGCAGCATGAACTCCGCAAGTCCGAATCCAAGTCTTCCATCTCCA
 GCAAGCGCAGCTCGGTCCGAGTGATGCAGCCATGAGCAGAATCAGTTCTAGCGATGCCAACTCCACCAT
 CAGCTTTGGTGACGTGACTGTGATTTTTGCCCGTGGAAGATCACGTGGATGCCACTACCACGGAACCC
 TACATGGGCGAGTGGAAGAACGATAAGCGCAATGGCTTCGGCATCAGCGAACGCTCCAATGGCATGAAGT
 ACGAAGGCGAGTGGGCCAATAACAAGAGGCATGGGTACGGCTGCACTGTGTTTCTGATGGCTCCAAAGA
 AGAGGGAAAAATACAAAAATAATATCCTGGTCCGTGGGATAAGGAAGCAGCTTATACCAATAAGAAATACA
 AAACTAGAGAGAAGGTGGATAGAGCAATTGAAGGTGCACAAAGGGCGGCAGCCATGGCCAGAACCAAAG
 TGGAAATAGCAAACTCAAGGACTGCACATGCCAGAGCAAAAGCTGATGCTGCCGACCAAGCTGCACTGGC
 TGCTCGCCAGGAGTGCACATAGCAAGAGCTGTGGCCAGAGAGCTGTACCTGATTTCTACCAACCAGGC
 CCCGATTATATCAAAACAAGATGTCAAGGAAGGGGAGATATTAAGAAAAATCCAGAAGAAAAGGTCTAG
 AAAAGCCTCCGTACCAAAGGAATCTCCTCATTTTTATCGCAAAGGCACCAACCCCCCAGGTCTCCTGA
 GTCAAGTCCCAAACAGAGCCACTCTCCCCAGCCTTCTCCCCAGAGCCCTCAAAGAAACAAAACCCAGC
 CCAGGGGCAAGACTCAGTCAAGATAAACAGAGCCTAGCTGAGGAACAAGTACAGCCTTTGTCAATAAAC
 CCTCTATGTCAAAGGCTCCCGAAAAGAATTGGGAGCATCTGTGTCCAAGTACTTGCCGCCACCATGT
 CCCCACCCAGCAACGGGGAGCTGCACTCTCAGTATCACGGCTACTATGTGAACTGAACACACCCAG
 CATCCTCCAGAAGACAGGGAGGATGACAGAGGAGTCAAGCAGTCTTCTCAGCATTGGTACCTAGACCAT
 CACCTAACAAAGTGGGGTCCCCCTAAATCTGTGACAAAACAGTTGCCAAAGAAAGCAAACTGAGCCAAA
 AGCAAAAGAAGTCTGAACTTGCTATACCAAGAATCCAGCAAGCAATGATACCTGCCTTCTTGGAAAAA
 GAAGCCAACTCTGGCCCTAATTCATCATGATTGTCTGGTCTGCTGTTGAATATTGGGTTGGCCATTC
 TTTTGTTCACTTTCTGACT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_020604

Insert Size: 1983 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.

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

RefSeq: [NM_020604.2](#), [NP_065629.1](#)

RefSeq Size: 4809 bp

RefSeq ORF: 1983 bp

Locus ID: 57339

UniProt ID: [Q9ET80](#)

Cytogenetics: 1 A3

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. JPH1 contributes to the construction of the skeletal muscle triad by linking the t-tubule (transverse-tubule) and SR (sarcoplasmic reticulum) membranes.[UniProtKB/Swiss-Prot Function]