

## Product datasheet for **MC221235**

### Jph3 (NM\_020605) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jph3 (NM_020605) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jph3
Synonyms:	JP-3; Jp3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC221235 representing NM\_020605  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCAGTGGGGTAGGTTAATTTTACGATGGAGGTCCTACTGCGGAGGCTGGGAGGACGGCAAGG  
 CGCACGGCCATGGCGTCTGCACCGGCCGAAGGGCCAGGGCGAATACACCGGCTCGTGGAGCCACGGCTT  
 TGAGGTGCTGGGCGTCTACACCTGGCCAAGCGGCAACACGTACCAAGGCACCTGGGCGCAGGGCAAGCGC  
 CACGGCATCGGCCTGGAGAGCAAGGGGAAGTGGGTGTACAAGGGCGAGTGGACGCACGGATTTAAGGGGC  
 GCTACGGGTGCGGGAGTGCACGGGCAACGGAGCCAAATACGAAGGGACCTGGAGCAACGGACTGCAGGA  
 TGGCTACGGCACGGAGACCTACTCGGATGGAGGAACGTATCAGGGCCAATGGGTTGGTGGCATGCGCCAG  
 GGCTACGGTGTGCGGCAGAGTGTCCCTTATGGCATGGCCGAGTCATCCGTTCCGCCCTGAGGACCTCCA  
 TCAACTCCCTGCGCAGCGAGCACACCAACGGGGCGGCACTGCACCCGGACGCCTCCCGGCAGTGGCCGG  
 CAGTCCGGCCGTGTCCCGTGGTGGCTTCGTGCTGGTGGCCACAGTGACTCGGAGATCCTCAAGAGCAAG  
 AAGAAGGGACTGTTCCGGCGCTCGCTGCTGAGCGGCCTGAAGCTACGCAAGTCTGAGTCCAAGAGCAGCC  
 TGGCCAGCCAGCGCAGCAAGCAGAGCTCCTTCCGACGCGAGGCCGGAATGAGCACCGTGAGCTCCACGGC  
 CAGCGACATCCACTCCACCATCAGCCTGGGCGAGGCCGAGGCTGAGCTGGCGGTCAATTGAGGACGACATC  
 GACGCCACTACCACCGAGACCTACGTGGGTGAATGGAAGAACGACAAACGCTCGGGCTTCGGTGTGAGCC  
 AGCGCTCGGACGGGCTTAAGTATGAGGGCGAGTGGGTGAGCAACCGCCGGCATGGGTACGGGTGCATGAC  
 TTTCCCGACGGCACCAAGGAGGAGGGGAAGTACAAGCAGAACGTGCTCGTGAGCGGCAACGCAAGAAT  
 CTCATCCCGTGGTGCAGCAAGATCCGGGAGAAGGTGGACCGGGCCGTGGAGGCAGCCGAGAGGGCGG  
 CCACCATCGCCAAGCAGAAAGCCGAGATCGTCCAGGACCTCCACTCACGGGCAAGGCTGAGGC  
 AGCACTTACTGCGGCTCAGAAAGCCAGGAGGAAGCGCGGATCGCCAGGATCACTGCCAAAGAGTTCTCT  
 CCTCCTTCCAGCACAGGAAAACGGGCTTGAAGTACCAGAGGCCAAAGCACAGATGTCTGCGATGATA  
 TCGAGGTGCTCTCCACGGGACACCCCTACAGCAGGAGAGCCCGAGCTGTACCGAAAGGGCACCACCCC  
 TTCTGATCTGACCCCTGACGACAGTCCCTGCAGAGCTTCCCGCCAGCCACATCTACCCCTCCGCCA  
 GCTCCTGCCTCCAGGACCAAGATGGCCACTTCTCCAGGCAGGTCTCCGTGGACGAGGAGCGAAGCGGGG  
 ACATCCAGATGCTCCTCGAGGGCCGCGGAGGGGACTATGCCCGCAACAGCTGGGGCGAGGAGAAGGCTGG  
 GGCTCTAGGGGTATCCGACGCGGTGCCCTACGCAGCGGCCAGCCACTGAGGACTTCCGCACCCGGGGC  
 TCAGGCCACAAGCAGCCTGGGAACCCCAAGCCCCGGGAGCGGCGGACGGAGTCCCCACCCAGTTTCTCAT  
 GGACTTCCACACCACCGGGCAGGCAATCCCTGTTCTGGGGCCCCAAGCTGCTAGAGCCAGATGAGGAGCA  
 GCTGAGCAACTACAAGCTGGAGATGAAGCCCTTACTGAGGATGGATGCCTGTCCACAGGATACGCACCCA  
 CAGAGACGGCGTCATAGCCGGGGTGTGGGGGGGACAGGGGCTTCGGGCTACAGAGACTGAGGTCCAAGT  
 CCCAAAACAAGGAGAACCCTTAGGCCAGCCTCCTCTGCAGAACCCACGGTGCAGAACTCGAGAGCCTGCG  
 GCTGGGGGACCGGCCGAGCCCCGTGCTGCTGCGTTGGGACCTGACCTTCTCCCCACCCAGAAAGTCCCTG  
 CCTGTTGCACTCGAGTCTGACGAGGAGACTGGAGATGAGCTCAAGTCCAGCACGGGCTCAGTCCCATCT  
 TGGTCGTCATGGTGATCCTGCTCAACATTGGAGTCGCCATTTTGTATTAACTTTTTATCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_020605  
**Insert Size:** 2235 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_020605.3, NP_065630.1</u>
<b>RefSeq Size:</b>	3903 bp
<b>RefSeq ORF:</b>	2235 bp
<b>Locus ID:</b>	57340
<b>UniProt ID:</b>	<u>Q9ET77</u>
<b>Cytogenetics:</b>	8 E1
<b>Gene Summary:</b>	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. JPH3 is brain-specific and appears to have an active role in certain neurons involved in motor coordination and memory.[UniProtKB/Swiss-Prot Function]