

Product datasheet for **SC304766**

Junctophilin 2 (JPH2) (NM_020433) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Junctophilin 2 (JPH2) (NM_020433) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Junctophilin 2 |
| Synonyms: | CMH17; JP-2; JP2 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene sequence for NM_020433 edited
 GAGGGCACTGGAGGAGTGTTCAGGCATCACCCACGCCCTCTGCACCCACGCTGGAGGAC
 GGGGAGTTGTTCAGGGGCTATGATGAGATGAGTGGGGCCGCTTCGACTTTGATGATGGA
 GGGCGTACTGCGGGGGCTGGGAGGGGGAAAGGCCCATGGGCATGGACTGTGCACAGGC
 CCCAAGGGCCAGGGCGAATACTCTGGCTCCTGGAACCTTTGGCTTTGAGGTGGCAGGTGTC
 TACACCTGGCCAGCGAAACACCTTTGAGGGATACTGGAGCCAGGGCAAACGGCATGGG
 CTGGGCATAGAGACCAAGGGGCGCTGGCTCTACAAGGGCGAGTGGACACATGGCTTCAAG
 GGACGCTACGGAATCCGGCAGAGCTCAAGCAGCGGTGCCAAGTATGAGGGCACCTGGAAC
 AATGGCCTGCAAGACGGCTATGGCACCGAGACCTATGCTGATGGAGGGACGTACCAAGGC
 CAGTTCACCAACGGCATGCGCCATGGCTACGGAGTACGCCAGAGCGTGCCTACGGGATG
 GCCGTGGTGGTGCCTCGCCGCTGCGCAGTGCCTGCTGCTCCCTGCGCAGCGAGCACAGC
 AACGGCACGGTGGCCCCGACTCTCCCGCTCGCCGGCCTCCGACGGCCCCGCGCTGCC
 TCGCCCCCATCCCGCTGGCGGCTTCGCGCTCAGCCTCCTGGCCAATGCCGAGGCGGCC
 GCGCGGGCGCCAAAGGGCGGGCGGCTCTTCCAGCGGGGCGCGCTGCTGGGCAAGTGC GG
 CGCGCAGAGTCCGCGACGCTCCGTGGGTAGCCAGCGCAGCCGTGTGAGCTTCTTAAGAGC
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 GGCGCCGACGAGGCGCACCCCTTCGAGGCGGATATCGACGCCACCACCACCGAGACCTAC
 ATGGGCGAGTGAAGAACGACAAACGCTCGGGCTTCGGCGTGAGCGAACGCTCCAGTGGC
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 CCCGACGGCCACCGCGAGGAGGGCAAGTACCGCCACAACGTGCTGGTCAAGGACACCAAG
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 CCCCCGACCGGGGCGCCGGCGCAGCGGGCTCCACAGCCGCCCGCGAGACCCCGAG
 CTGCACGAGCGTGAAGCCCTCGGCCGAGGGTGGCTCCCGTCCAGGCCGGGACGCC



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CATGAGGGGAATGGGCGGGGCCACTGCTCTGTGCTGACGGGCTCCGCTCTCGGAGATTCT
TGTCTGTTTTTTTTCTGTGTTTTTTTTTGGCTGGTGTGGGACAAGCCTGTGCCTGCC
AAAGCTCCAGGCAAGTTTGGGGCTGGTGTGGGGTTGGGTTTGGGTTTGGGTTTGGGTTT
TGCAAGTCTGTGCAATAATAAACCCGCATCTGCTCACGAAAAAAAAAAAAAAAAAAAAA
AACAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

Please inquire

ACCN:

NM_020433

Insert Size:

4000 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).

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|-------------------------------|---|
| OTI Annotation: | The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020433.4. |
| 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: | <ol style="list-style-type: none">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_020433.4 , NP_065166.2 |
| RefSeq Size: | 4802 bp |
| RefSeq ORF: | 2091 bp |
| Locus ID: | 57158 |
| UniProt ID: | Q9BR39 |
| Cytogenetics: | 20q13.12 |
| Protein Families: | Transmembrane |
| Gene Summary: | <p>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. Alternative splicing has been observed at this locus and two variants encoding distinct isoforms are described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the longer variant and encodes the longer isoform (1).</p> |