

Product datasheet for MC214435

Jph4 (NM_001003829) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jph4 (NM_001003829) Mouse Untagged Clone
Tag: Tag Free
Symbol: Jph4
Synonyms: 9330157P13Rik; AI425998; JP-4; JPHL1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214435 representing NM_001003829
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCCCGGGGCAAGTTCGACTTTGACGACGGGGCTGCTACGTGGGGGGCTGGGAGGCGGGGGCGG
CACATGGCTACGGCGTGTGCACCGGGCCCGGCCCCAGGGAGAGTACAGCGGCTGCTGGGCTCACGGCTT
CGAGTCGCTGGGTGTCTTACGGGGCCCGCGGACACAGTTACCAGGGCCACTGGCAGCAGGGCAAGCGC
GAAGGGCTGGGCGTGGAGCGCAAGAGCCGCTGGACCTACCGCGGCGAGTGGCTGGGCGGGCTGAAGGGG
GCAGCGCGGTATGGGAGAGCGTGTCCGGCTGCGCTACGCCGGGCTCTGGAAGGACGGCTTCCAGGACGG
CTACGGCACCGAGACCTACTCGGATGGAGGCACTTACCAAGGCCAGTGGCAAGCCGGGAAACGCCACGGC
TACGGGGTGCGCCAAAGTGTACCCTACCACCAGGGCGGCTTCTGCGCTCACCCCGCCGACCTCCCTGG
ACTCCGGCCACAGCGACCCCGGACGCGCCTCCACCCCTACCCCTACCAGGAGATGAAGGAGGCAGCCC
AGCCTCCGGCTCCCGAGGCGGCTTCGTGCTGGCGGGGCCAGGGGACGCCGACGGGGCGTCTTCCCGTAAG
CGCACCCAGCAGCAGGTGGATTCTTCCGCCGTTCACTGCTGCTCAGCGGGCTCCGGGCTGGTGGGCGCC
GCAGTCCCTGGGCAGCAAGAGGGGATCTACGCAGCGAGGTGAGCAGCGAAGTGGGCAGTACAGGAC
CCCGGGCTCCGAGGCCAGCGGGCCCAATCCAGCTCCACCTGCCCTCATCGAGGGCTCAGCCACTGAG
GTGTACGCCGGTGAAGTGGCGTGCAGGACCGCGCAGTGGCTATGGAGTGAGCCAGAGATCCAACGGGCTGC
GCTACGAAGGCGAGTGGCTGGGCAACCGACGCCACGGATACGGGCGCACCCCGGCCCGATGGCTCCCG
TGAGGAGGGCAAGTACAAGCGTAACCGGCTGGTACAGGGGGACGTGTCCGCAGCCTCCTGCCTCTGGCC
CTTAGACGGGGCAAAGTCAAGGAGAAAGTGGACAGGGCTGTGCAAGGTGCCCGTCGAGCTGTGAGTGCTG
CCCGCCAGCGCCAGGAAATTGCGGCTGCCAGGTGGGCATCTGGTGCACAGATCCAACCTGGGTTGAGAGG
AGAGGTTCTCTGGGTAACCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001003829
Insert Size:	1221 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:	<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:	<u>NM_001003829.2</u> , <u>NP_001003829.1</u>
RefSeq Size:	3421 bp
RefSeq ORF:	1221 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]