

Product datasheet for **MR209581**

Jph4 (BC052049) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR209581 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCCCGGGGCAAGTTCGACTTTGACGACGGGGCTGCTACGTGGGGGCTGGGAGCGGGGCGGG
 CACATGGCTACGGCGTGTGCACCGGGCCGGCGCCAGGAGAGTACAGCGGCTGCTGGGCTCACGGCTT
 CGAGTCGCTGGGTGTCTTACGGGGCCGGCGGACACAGTTACCAGGGCCACTGGCAGCAGGCAAGCGC
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 GGTGGTGGGAGCCGTGGCCTGTGTGACCTCAGCCTGGCCTTCTGTTCTCCAGCTCCTCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209581 protein sequence
 Red=Cloning site Green=Tags(s)

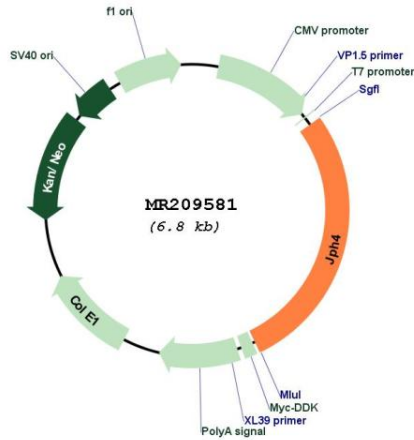
MSPGGKFDFFDDGGCYVGGWEAGRAHGYVCTGPGAQGEYSGCWAHGFESLGVFTGPGGHSYQGHWQGGKR
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 YGVRQSVYPYHQAALLRSPRRTSLDSGHSPPPTPPPPLPLPGDEGGSPASGSRGGFVLAGPDADGASSRK
 RTPAAGGFFRRSLLL SGLRAGRRSSLGSKRSLRSEVSSEVSTGPPGSEASGPPIPAPPALIEGSATE
 VYAGEWRADRRSGYGVRSNGLRYEGEWLGNRRHGYGRTRPDGSREEGKYKRNLVHGGRVRSLLPLA
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 EAPRRRPRQSDSGSDTEPLDEDSPGVYENGLTPSEGSPELPSPPASSHPWRAPACRSPLPPGGNWGPF
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 GSESEPVTTPLRGLSSRGPDAGCLTEEVEEPAPTERPAQPGAANPLVVGAVALLDL SLAFLFSQLLT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

MW: 66 kDa

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]

Product images:



Circular map for MR209581