

Product datasheet for **MC221504**

Jhy (NM_001081121) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jhy (NM_001081121) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jhy
Synonyms:	4931429I11Rik; BB239335
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221504 representing NM_001081121
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATAATATAAACCCGTTCCAAGCTCTCTAGCCAGTCTCCCGTCCATCACACCAACTTGAGGATCC
 CGCCTTCGGGCAGACCCTTTAAGAAAGAAGACTTCTTAAACCTGATTTCAAAGACTCCTTAGAATCGGA
 TTCAGAAAGCCTCCCTCAAGAGGCTAAGTCTGGTCTGATATTAAGGACCAAATCCAGGACAAAGATATG
 GAGCCTGACAGCTTGAGGAGGACAGCCCAAGTGAGACAGAAGAGGCAGTGAACAGAAAAGCAGCCACA
 ACCTAACAGGGAAGACCTAAGTCTCATGATGCTGGTGTGAATCACAGCCAACATCAGGTAGAAGACAA
 ATACTCAGACCTCCGATATGATCCCACTGGAAGAACAAAAGAGAGGAGGGGCAGCCATTGGCTGGAGAA
 GCATTACCAGGTCTGCAGATAGCTCTTCAGAAAACCTGCCTTTGGCTCCGCTCTACCCTCCAGAGAGC
 CATCCATGGGACTCTCCGCTGGGAAAGGCAAAGAAAAGAAGTCTCAGAGCGAAGCCTCCTTACTTGG
 AAGCGAATTTCTGAGCCAAAGTATGAACGTAGCACCCGTCAAAATGGGTTCTTCTCAGAACTAAGCGAC
 AGTGACCAGGAGAGAAAATCCAGCGGCCTGTCTCAGTACCTAAAGAGCTCAAGCTCACACAACGAGCTTT
 TCCTGCCGGGTACGCTGGCCCGCGCAGAAGGAAGTCCAAACAATATTTGTGGAACAAAACAAGCTGAC
 TTTGGGTTACCTATGCCTAAAACAGACTCTTACCTTCAACTTCAACAATAAGAAGAGAGGAGAGACCCGC
 CTCGAACAGATTTCTACCCCGTCAGAGATACTGACAAGTACTGTCCAGAATGACAAAGAAGTCGAAA
 ACCTTTCATGGATCCTGAGGACAAATGGCATCAGAGAGCAAAGCAGCTCAAGAATTACCAAGAACATCT
 GTCTCAGTACGAAGATACAAAATCAGGCAATGTCCAAGAGGTGAGTCTCCGATGCAGCCAATGGCCAG
 CAACCTTCAGAAAGACTGCCAAGGCCAGGTTTCGAAACAGAGGAAACACCAGAAAGCCCTGAAATCTC
 TTGGGACAAAAGAGCTTGTGTGTCAGTCAAATAATCAGAATAACCTTTCCAGCAACCAGACACAAAAG
 GCAGACTGCGGATGCCTCAGCAAAGCATGAGCTGGCTGCACAAACGAACGCTTCTAACCCCAATTTACAG
 GACGCCAGAACGCTCACCCACAATCCCAAAGTCACTCCGACTCTTTCGTTTACCTAAGCAGGCTTTAG
 ACAGAGCTTTATATAAAAACCTCCATCTCAGGACTGAACGCTAATAAAAAGACGAGGACACAGAGCTGAGGA
 AGAGAGAATTCTGTATCAGCCGACGCCATCTACGTGTTTTCTGATACACATCTGCAGGACTTTAATGAA
 CTTCTCAGACACGAGTCCCCGAGCCAGAGAGCCCTCAGTCCGATCACACATGAACACACACAGGT
 CAACGAAGACAAAGAAGCCAGCCAAACAACCGCAGGCAGAGACGAAATACAAGAATAGAGATGCTCTG
 GAAATTCCTCTCAGACATGGAACCCGCGAGTGCCTCGCCAGACTCCCGGCTTGCCAGATCATG
 GAACAGCACAGCAAGCCTTGATGCAGCTGGCAGAGGTGCAGCCAGCGAGGGCTCTCTGGCCAGCATCA
 TACTCCCACCTATCCTGTCCAGGTTAGAAAGTGAATCGCAGCTCAATTCAGAGAGAAGCCACAGACACCA
 GGTGAAGATGGCCCGTAGTAATTCGGAAGGCTACCTGCTTCAGCTGGAGAGAGGAAAGAGACACAGGAAG
 CGAAGCAGCACAAAGAGTTCCAAGCTGAAAGGCTATCAGAAAAGAGACGTGAAGCTTGGAGGCTGGGAC
 CTGACTTTGCATCCGTGACAGACAAAATGCAAAATGTTAATGCAGCAAAAAGAATACGCACAGCAAGTCAA
 GGATTACAACATGAAGGCCCTGTCCATTCTGTCCAACCACAGACATCAAAAACCGAGAGTAAATCTGCG
 ATTTCTCGGAAGAAGGCTTTGGACTATGCTAAGACCATCCCCAAACCCAAACCACCAATCTACCTGATC
 AAACAGCAAGAAAACCTAAGAACTCAAGGCACAGTGAAAAAGAAGGAGGCTTACCAGAAAATTTCCCTGTT
 GGAGATCTGCAGAGCAGACACGAGCGGAAAAGCAGGCTGTGGCTGCTTCAAAGTCTTCACATCGTC
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001081121
Insert Size: 2313 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:	NM_001081121.1 , NP_001074590.1
RefSeq Size:	3068 bp
RefSeq ORF:	2313 bp
Locus ID:	70989
UniProt ID:	E9Q793
Cytogenetics:	9 A5.1
Gene Summary:	<p>Required for the normal development of cilia in brain ependymal cells lining the ventricular surfaces.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>