

Product datasheet for **MC224466**

Fyco1 (NM_148925) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fyco1 (NM_148925) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fyco1
Synonyms: 2810409M01Rik; Mem2; RUFY3; ZFYVE7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224466 representing NM_148925
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCTAGCAGCACTGAGACTCAGCTCCAGAGGATCATCCGTGATCTACAAGATGCAGCGACAGAAC
TAAGCCATGAATTTAAGGAAGGGGAGAGCCAATCACAGATGACAGCACCAGTTTGCACAAGTTTCTTA
CAAACCTTGAGTATCTTCTGCAATTTGATCAGAAGGAGAAGGCGAGCCTCCTGGGAAGCAAGAAAGACTAC
TGGGATTACTTTGTGCGTGCCTAGCCAAGGTGAAAGGAGCAAATGATGGCATTGATTTGTCAGGTCCA
TCTCTGAGCTCCGAACATCTCTGGGAAAAGGGAGAGCCTTCATTTCGCTACTCTTTGGTGCACCAGAGGCT
GGCAGACACCTTGCAGCAGTGTTCATGAACACTAAAGTGACCAGTGACTGGTATTATGCAAGAAGCCCC
TTTCTGAAGCCAAAGCTGAGCTCTGACATTGTGGGTCAACTGTATGAGCTGACTGAGGTTTCAGTTTGATC
TAGCACCAGAGGCTATGACTTGGATGCCGCTGGCCAACATTTGCCAGGAGGACGCTAGCCACCAGCAC
GTCTGCTTACATGTGAAACCCCCAGCCGAAGCTCCAGCATGAGTAGTTTAGTGAGCAACTACTTGCAG
ACTCAGGAGATGGCCTCCAGTCTTGACCTGAATTGTTCTCTAAACAATGAAGCACTAGAAAGCTTCGACG
AGATGCGGCTGGAGCTGGACCAGTTGGAGTTTCGGGAGAACAAGCAAGTGTACAGCAGCTAGA
CAGGGAGAACCAAGCACTGCGAATGTTGGTCAGCAGACAAGGGGGCAGCTTCAGGTAGAGAAGGAGATG
GGGTACCTTGCAGTCGAGGACAGCATTGGCCTTGTGAGCCTGGTAGCAGAACTCCAGAAGCAGGGGACG
TCAGCCAGGCCACAGTGAAGAAGCTACAGTCATGTCTGCAGGCCCTGGAGCTAAATGTAGACAAGAAAGA
GTACAGTCCCTCAGCCTTGCAGCTTGAACATGGCGAAGGAGCTTGACACTGTGAGAGGCTCCTTGGGT
AGGGAGAACCAGCTCCTGGCCAGCCTTTCAGAGCGCCTTGTAGGGCAGAGAAAGGGAAAGACACCTC
CAGACACAGAGCTTCATCAGGAGCCAGTTCCTGCGGATCTGGTGTCAAGTTCCAGGAGCTGAAGGGAAA
ACTTCAAGCCCTAGAAGGAGAGAACACCGAGGCCAGGAGCTCAACAGGCAGCAGAGTATCAAGCTAGAG
CAACTGGCCAAGGAACTACAGCTGAAGGAGGAGGCCCGGGCTAGCCTAGCACACTTGTGAGGATGTGG
TCCCACTTCAGGAAGAGCTGTCTGGAAAGAAGCAAGAGTCAAGCTCAGCTCCGACGACAGCTTCAGGAATC
CCTGGCCCACTTGTGAGCTCTGTGGAGGAGGAGCTGGCTGAAGCCAGGCAGCAGGAAAGCAGCATCGAGAA
GAAAGCAGCTACTGGAGCAGGAAGCCAGTCTCTTACATGGCAGCTGCAGCTCCTAGAGACCCAGCTAG



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GACAGGTGAGTCAGCTTGTAAAGTGACCTGGAGGAGCAGAAGAAGCAACTCATGCAGGAGAGACCATCT
 CAGCCAGAGAGTGGGCACACTGGAGCAGCTAGCCGAGGTGCATGGCCCGCCACAGTCTGCGGAGATGCCG
 GAAAAGAGGCAGCAGTGCCTCCGGGAAGAACAGGTAACAATAGCACAGTGTGAGGAGCAGAGCAGGAGG
 AGTTGCAGAAGGAGCTGCAGAACATGGTTGACCACAACAGCTCCTCGAAGGCAAACGCAGGCCTTGCA
 AACTGACTATAAGGCACTGCAGCAGCGAGAGGCAGCAATCCAGGGCTCTTTAGCCTCCCTGGAAGCTGAA
 CAGGCTAGCATCCGGCACCTGGGAAACAGATGGAAGCAAGCCTCCTGGCTGTGAAGAAAGCCAAAGAGA
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 GGAAGAGGCAGATCAGTGCCTGGCTTCCAGGAGAGGCCAGGCCAGGAGCTCAGAGCTCTTGAGAACCCAG
 TGCCAGCAGCAGATTAGCTGATTGAGGTCTCTGCAGAGAAAAGGCCAACAGGGACTCAGCCTGCCCC
 AAGTCAACACAGACCAACTGGCCCTGTCTCAAGCACAGCTGAAAATCCACCAGGGGGAAGCCAGCGGTT
 ACAGAATGAGGTGGTGGACCTCCAGGCCAAGCTCCAGGTGGCCCTAGGTGATCGAGACAAGTTACAGAGC
 CAGCTGGTGTGGCTGAGACAGTCTAAGGGAGCACAAGACCCTGGTGAACAACGAAAGAGCAGAATG
 AAGCCCTCAACAGGGCCATGTTCAAGGAGTGTCTCAGTGTGCTCAGAGAGAGAGGGGATACTACAGGAGGA
 GAGCATCTACAAGGCCAGAACAGGAACAAGAGCTACGAGCCCTGCAGGCAGAGCTGTCACAGGTGAGG
 TGCAGCTCTGAGGAGGCCACCTGGAACATGCAGAGCTGCAAGACCAGCTGCACCAGCCAAACACAGACA
 CAGCTGAGCTTGGTATACAGGTCTGTGACTGACAGCTGAGAAGGATCGAATGGAGGAGGCCCTGGCCAG
 CCTAGCCCAGGAGCTCCAGGACTCCAAAGAGGCAGCACTACAGGAACGAAAGGGCTTGGAGCTCCAAGT
 ATGCAACTTCAGCAAGAGAAGGAGAAGTTGAGGAAAAGGTGAAGGCAGCTGAGGAGGCAGCCAGTTCAT
 TCTCTGGTCTGCAGGCACAGCTGGCCAGGCTGAGCAGCTAGCCAGAGCCTCCAAGAGACTGCACACCA
 GGAACAAGATGCCCTCAAGTTCACACTAAGTGTGAGATTATGGACCACCAGAACCGATTAAGACAGCC
 AATGAAGAGTGTGGGCACCTCAGGGCCAGCTAGAAGAACAAGGCCAGCAGCTGCAATGACTAAGGAGG
 CTGTGCAGGAAGTGGAGATCACCAAGGCGGCCATGGAGGAGAAGTGAATTGACCAGTAGCCACCTTGC
 AGAGTCCAGGCCACTTTACTGCGCAAAGATGAAGAAAGCACTATGCTTCAAACCACTAGAAAAGAAC
 CAGAAGGAACCTGAAAAGGCTACATCAAAAATCAAGAATATTACAACAACCTTGCCAAGAGGTGACAA
 ACAGGGAAGGAATGACCAGAAGATGCTTGCAGACCTCGATGACCTGAACAGAACCAAGAAATACCTTGA
 GGAGCGGCTGATAGAGCTGCTCAGGGACAAAGATGCTCTCTGGCAAAAATCCGATGCACTGGAATCCAG
 CAGAAGCTCAGTGTGAAGAGAAATGTCTTGGGGACATGGAAGTCAACCACTGCCATGACTGCAAGCGGG
 AGTTCAGTGGATAGTGCAGCGCACCACTGCAGGATATGTGGCCGTATCTTCTGTACTACTGCTGTAA
 TAACTATGTTGTGACTAAGCCAGTGGCAAGAAGGAACGCTGCTGCCAGCCTGCTTCCAGAAGTTCGGC
 GAAGGCTCTGGATCCAATGATAGCAGTGGTTCAGGCACTAGCCAGGAGAGCCCAGCCCCATGGTGTAC
 CAGCTGAAGCAAGTCCCCAGTCCATAGGAAGCCAAGGGATAAAGTCAAGTGTGAGACCACCAGCAGATGC
 TGTGTTTGACATCATCACTGATGAAGAAGTGTGCCAGATCCAAGAATCTGGCTCCTCCTTGCCTGAAACA
 CCCACTGAAACTGATTCAATGGACCCGAATACGGCTGAACAGGACACCACATCAAACCTATAACCCCTG
 AAGACACTGAAGACGTGCCATGGGGCAAGATGCTGAAATCTGCTTGTGAAAGTCAAGGAGAGCTGATGAT
 CAAATTACCCCTCACAGTAGAGGAGGTCCGACGCTTCCGGGAGGGCAGCAGGGAGCTGTTTGTGAGGTCC
 AGTACCTACAGCCTGATCACCATCACCGTGGCTGAGCCTGGCCTCACCATCAGCTGGGTCTTCTCTTCTG
 ATCCCAAGAGCATCTCCTCAGTGTGGTCTTCCAAGAGACAGAAGACACGCCGCTCGACCAGTGAAGGT
 CCTCATTCCCACCACCCGATGCAATCCCAAGGAGAACATCCGGGGCCAGCTGAAGGTCCGAATCCCT
 GGCATCTACTTGCTCATCTTTGACAACACCTTTTCAAGATTTATCTCAAAAAAGTGCTTACCACCTGA
 CTGTTGACCGCCTGTGATCTACGATGGAAGCGATTTCCCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_148925
Insert Size: 4314 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_148925.3 , NP_683727.3
RefSeq Size:	7949 bp
RefSeq ORF:	4314 bp
Locus ID:	17281
UniProt ID:	Q8VDC1
Cytogenetics:	9 74.52 cM
Gene Summary:	<p>May mediate microtubule plus end-directed vesicle transport.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. 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. CCDS Note: The coding region has been updated to remove a 3-nt insertion versus the reference genome sequence, supported by the available transcript data.</p>