

Product datasheet for MC224467

Fyco1 (NM_001110253) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fyco1 (NM_001110253) 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:	>MC224467 representing NM_001110253 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCTAGCAGCACTGAGACTCAGCTCCAGAGGATCATCCGTGATCTACAAGATGCAGCGACAGAAC
TAAGCCATGAATTAAGGAAGGCGGAGAGCCAATCACAGATGACAGCACCAGTTTGCACAAGTTTCTTA
CAAACCTTGAGTATCTTCTGCAATTTGATCAGAAGGAGAAGGCGAGCCTCCTGGGAAGCAAGAAAGACTAC
TGGGATTACTTTGTGCGTGCCTAGCCAAGGTGAAAGGAGCAAATGATGGCATTGATTTGTCAGGTCCA
TCTCTGAGCTCCGAACATCTCTGGGAAAAGGGAGAGCCTTCATTTCGCTACTCTTTGGTGCACCAGAGGCT
GGCAGACACCTTGCAGCAGTGTTCATGAACACTAAAGTGACCAGTGACTGGTATTATGCAAGAAGCCCC
TTTCTGAAGCCAAAGCTGAGCTCTGACATTGTGGGTCAACTGTATGAGCTGACTGAGGTTTCAGTTTGATC
TAGCACCAGAGGCTATGACTTGGATGCCGCTGGCCAACATTTGCCAGGAGGACGCTAGCCACCAGCAC
GTCTGCTTACATGTGAAACCCCCAGCCGAAGCTCCAGCATGAGTAGTTTAGTGAGCAACTACTTGCAG
ACTCAGGAGATGGCCTCCAGTCTTGACCTGAATTGTTCTCTAAACAATGAAGCACTAGAAAGCTTCGACG
AGATGCGGCTGGAGCTGGACCAGTTGGAGTTTGGGAGAACAAGCTACAAGAAGTGTACAGCAGCTAGA
CAGGGAGAACCAAGCACTGCGAATGTTGGTCAGCAGACAAGGGGGCAGCTTCAGGTAGAGAAGGAGATG
GGGTACCTTGCAGTCGAGGACAGCATTGGCCTTGTGAGCCTGGTAGCAGAACTCCAGAAGCAGGGGACG
TCAGCCAGGCCACAGTGAAGAAGCTACAGTCATGTCTGCAGGCCCTGGAGCTAAATGTAGACAAGAAAGA
GTACAGTCCCTCAGCCTTGCAGCTTGAACATGGCGAAGGAGCTTGCAGCTGTGAGAGGCTCCTTGGGT
AGGGAGAACCAGCTCCTGGCCAGCCTTTCAGAGCGCCTTGTAGGGCAGAGAAAGGGAAAGACACCTC
CAGACACAGAGCTTCATCAGGAGCCAGTTCCTGCGGATCTGGTGTCAAGTTCCAGGAGCTGAAGGGAAA
ACTTCAAGCCCTAGAAGGAGAGAACACCGAGGCCAGGAGCTCAACAGGCAGCAGAGTATCAAGCTAGAG
CAACTGGCCAAGGAACTACAGCTGAAGGAGGAGGCCCGGGCTAGCCTAGCACACTTGTGAAAGGATGTGG
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CCTGGCCCACTTGTGAGCTCTGTGGAGGAGGAGCTGGCTGAAGCCAGGCAGCAGGAAAGCAGCATCGAGAA
GAAAGCAGCTACTGGAGCAGGAAGCCAGTCTCTTACATGGCAGCTGCAGCTCCTAGAGACCCAGCTAG



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GACAGGTGAGTCAGCTTGTAAAGTGACCTGGAGGAGCAGAAGAAGCAACTCATGCAGGAGAGACCATCT
 CAGCCAGAGAGTGGGCACACTGGAGCAGCTAGCCGAGGTGCATGGCCCGCCACAGTCTGCGGAGATGCCG
 GAAAAGAGGCAGCAGTGCCTCCGGGAAGAACAGGTAACAATAGCACAGTGTGAGGAGCAGAGCAGGAGG
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 AAGTCAACACAGACCAACTGGCCCTGTCTCAAGCACAGCTGAAAAACACCAGGGGGAAGCCAGCGGTT
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 AAGCCCTCAACAGGGCCATGTTCAAGGAGCTGCTTCAAGTCTCAGAGAGAGAGGGGATACTACAGGAGGA
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 CAGCTGAGCTTGGTATACAGGTCTGTGACTGACAGCTGAGAAGGATCGAATGGAGGAGGCCCTGGCCAG
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 ATGCAACTTCAGCAAGAGAAGGAGAAGTTGAGGAAAAGGTGAAGGCAGCTGAGGAGGCAGCCAGTTCAT
 TCTCTGGTCTGCAGGCACAGCTGGCCAGGCTGAGCAGCTAGCCCAGAGCCTCCAAGAGACTGCACACCA
 GGAACAAGATGCCCTCAAGTTCCAACCTAAGTGTGAGATTATGGACCACCAGAACCGATTAAGACAGCC
 AATGAAGAGTGTGGGCACCTCAGGGCCAGCTAGAAGAACAAGGCCAGCAGCTGCAATGACTAAGGAGG
 CTGTGCAGGAAGTGGAGATCACCAAGGCGGCCATGGAGGAGAAGTGAATTGACCAGTAGCCACCTTGC
 AGAGTCCAGGCCACTTTACTGCGCAAAGATGAAGAAAGCACTATGCTTCAAACCACTAGAAAAGACA
 CAGAAGGAACCTTGAAGGCTACATCAAAAATCAAGAATATTACAACAACCTTGCCAAGAGGTGACAA
 ACAGGGAAGGAATGACCAGAAGATGCTTGCAGACCTCGATGACCTGAACAGAACCAAGAAATACCTTGA
 GGAGCGGCTGATAGAGCTGCTCAGGGACAAAGATGCTCTCTGGCAAAAATCCGATGCACTGGAATCCAG
 CAGAAGCTCAGTGTGAAGAGAAATGTCTTGGGGACATGGAAGTCAACCACTGCCATGACTGCAAGCGGG
 AGTTCAGCTGGATAGTGCAGCGCACCACTGCAGGATATGTGGCCGTATCTTCTGTTACTACTGCTGTAA
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 GAAGGCTCTGGATCCAATGATAGCAGTGGTTCAGGCACTAGCCAGGGAGAGCCAGCCCATGGTGTAC
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 TGTGTTTGACATCATCACTGATGAAGAAGTGTGCCAGATCCAAGAATCTGGCTCCTCCTTGCCTGAAACA
 CCCACTGAAACTGATTCAATGGACCCGAATACGGCTGAACAGGACACCACATCAAACCTATAACCCCTG
 AAGACTGAAAGAGCTGCCATGGGGCAAGATGCTGAAATCTGCTTGTGAAAGTCAAGGAGAGCTGATGAT
 CAAATTACCCCTCACAGTAGAGGAGGTCCGACGCTTCCGGGAGGGCAGCAGGGAGCTGTTTGTGAGGTCC
 AGTACCTACAGCCTGATCACCATCACCGTGGCTGAGCCTGGCCTCACCATCAGCTGGGTCTTCTCTTCTG
 ATCCCAAGAGCATCTCCTCAGTGTGGTCTTCCAAGAGACAGAAGACACGCCGCTCGACCAGTGAAGGT
 CCTCATTCCCACCACCCGATGCAATCCACAAGGAGAACATCCGGGGCCAGCTGAAGGTCCGAATCCCT
 GGCATCTACTTGTCTATCTTTGACAACACCTTTTCAAGATTTATCTCAAAAAAGTGCTTACCACCTGA
 CTGTTGACCGCCTGTGATCTACGATGGAAGCGATTTCCATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001110253
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:	<u>NM_001110253.2</u> , <u>NP_001103723.2</u>
RefSeq Size:	7702 bp
RefSeq ORF:	4314 bp
Locus ID:	17281
UniProt ID:	<u>Q8VDC1</u>
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 (2) differs in the 5' UTR, compared to variant 1. 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>