

## Product datasheet for MR216110

### Fyco1 (NM\_148925) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fyco1 (NM_148925) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fyco1
Synonyms:	2810409M01Rik; Mem2; RUFY3; ZFYVE7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216110 representing NM_148925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCTAGCAGCACTGAGACTCAGCTCCAGAGGATCATCCGTGATCTACAAGATGCAGCGACAGAAC  
TAAGCCATGAATTTAAGGAAGGCGGAGAGCCAATCACAGATGACAGCACCAGTTTGCACAAGTTTCTTA  
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GAAAAGCAGCTACTGGAGCAGGAAGCCACGTCTTACATGGCAGCTGCAGCTCCTAGAGACCCAGCTAG  
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ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:** >MR216110 representing NM\_148925  
Red=Cloning site Green=Tags(s)

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 WDYFCACLAKVKGANDGIRFVRSISELRTSLGKGRAFIYRSLVHQRLADTLQCCFMNTKVTSDWYYARSP  
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 EGSGSNDSSGSGTSQGEPSPMVSPAEPQSIGSQGINSVCRPPDDAVFDIITDEELCQIQESGSSLPET  
 PTETDSDMPNTAEQDTSNSLTPEDTEDVPMGQDAEICLLKSGELMIKPLPTVEEVASFGEGRSRELFVRS  
 STYSLITITVAEPGLTISWVSSDPKSISSFVVFQETEDTPLDQCKVLIPTTRCNHSHKENIRGQLKVRIP  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

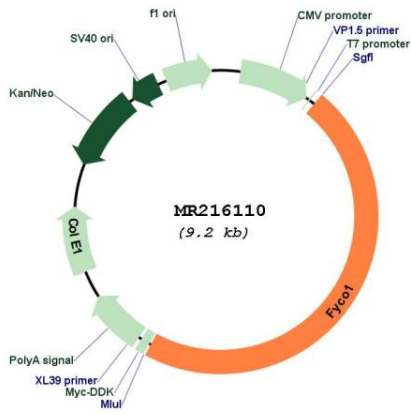


**ACCN:** NM\_148925

**ORF Size:** 4311 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_148925.3</a> , <a href="#">NP_683727.3</a>
<b>RefSeq Size:</b>	7942 bp
<b>RefSeq ORF:</b>	4314 bp
<b>Locus ID:</b>	17281
<b>UniProt ID:</b>	<a href="#">Q8VDC1</a>
<b>Cytogenetics:</b>	9 74.52 cM
<b>MW:</b>	162.8 kDa
<b>Gene Summary:</b>	May mediate microtubule plus end-directed vesicle transport.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216110