

Product datasheet for MR212019

Zfyve16 (NM_173392) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfyve16 (NM_173392) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfyve16
Synonyms:	A1035632; B130024H06Rik; B130031L15; mKIAA0305
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212019 representing NM_173392 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGTTACTTTAAAGCAGCTGTCAGTGGCTTGGACAACTTCTTGATGATTTTGAGCAGAATCCAG
ATAAGCAAGATTATCTCCAGATGCATATGCTTTAAACCAGTGCATGTTTCTCAGAGTCGGCCTCTCC
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TAGCGGGACTTGATCTTCTTCTTCTGTGGATGCGAGTACTTCAGATGAGATCCAGCCTTCTGTATGAG
ACGGTGTAGTAAGCCTGTCTGTGACCTGATAAGTGACATGGGTAACCTAGTGCATGCCACCAATAGTGAG
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CCTCCAGGAAAATAGAACTTCTGTGTTTCAATGAAACAGACTGTAAGAAGAACTCAAGAAAATTTAGACCTT
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ACTTTTCCAGCAGTGATATGGATGGGCAAGAGTTAGATTACTTTAATATTGATGAAAGCATGAGAAGTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212019 representing NM_173392
 Red=Cloning site Green=Tags(s)

MDSYFKA AVSGLDKLLDDFEQNPDKQDYLPDAYAFNQCSVSSASASPQLALLSKDQRCISTCASSEACCE
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 TFPSSDMDGQELDYFNIDESMRGILISDAELDAFLKEQCLSNSNTMSAGENVNDSQLQMNQITMKGLHD
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 EDGSSFTANKDSL PENKRKESLVLGQKQPTWVPDSEAPNCMNCQVKFTFKRRHHCRACGKVFVCGVCCN
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 AYPAPLTSVRGRKPLFGEIGHTIMNLLVDLRNYQYTLHNIDQLL IHMEMGKSCIKIPRKKYSDVMKVIHS
 SNEHVISIGASFSTEADSHLVCVQSDGVYQTQANSATGQPRKVTGASFVVFNGALKTSSGFLAKSSIVED
 GLMVQITPETMEGLRLALREKQDFRIQCGKVDAVDLREYVDICWVDSEERKNKGVISSVDGMSVEGFPE
 KIKLETFETEEKTVKCTEVFYFLKQDQDISILSSSYQFAKEIAVACSAALCPHLRTLKSNRMNKI GLRV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9103_f07.zip

Restriction Sites: SgfI-MluI

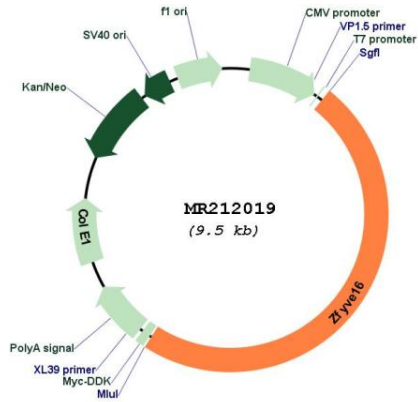
Cloning Scheme:



ACCN: NM_173392

ORF Size:	4584 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_173392.4 , NP_775568.1
RefSeq Size:	5451 bp
RefSeq ORF:	4587 bp
Locus ID:	218441
UniProt ID:	Q80U44
Cytogenetics:	13 C3
MW:	166.7 kDa
Gene Summary:	May be involved in regulating membrane trafficking in the endosomal pathway. Overexpression induces endosome aggregation. Required to target TOM1 to endosomes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212019