

Product datasheet for **RR202439**

Yipf5 (NM_001014150) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yipf5 (NM_001014150) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Yipf5
Synonyms:	Ac2-256
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR202439 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGGCTTTGATAACTTAAACAGCGGTTTCTACCAGACAAGTTACAGCATCGATGAGCAATCTCAGC
AGTCCTATGACTATGGAGGAAGTGGAGGACCTACAGCAAGCAGTATGCTGGCTGTGAGTACTCTCAGCA
AGGCCGATTCGTCCTCCAGACATGATGCAGCCTCAGCAGACGTACACTGGCAGATTTACCAGCCCACT
CAGGCCTATCCGCCACCTACACCTCAGACATTCTATGGAGACAGCTTTGAGGAGGAGCCCCCTTTGCTAG
AAGAGTTGGGTATCAATTTTGACCACATTTGGCAAAAACGCTGACGGTGCTTCACCCGCTGAGGGCATC
TGATGGCAGCATCATGAATGAGACCGACTTGGCAGGGCCAGTGGTGTCTGCCTTGCCTTCGGGGCCACA
CTGCTACTGGCGGGCAAAATCCAGTTTGGCTATGTGTACGGGATCAGTGCAATTGGATGTTTAGGAATGT
TTTGTGTTGTTAAATTTAATGAGTATGACAGGTGTCTCATTGGTTGTGTGGCAAGTGTCTCGGGATTTG
TCTTCTCCCATGATCCTGCTGTCCAGCTTGCAGTGGTATTTTCTTTACAAGGAATGGTAGGAATCTT
CTCACTGCCACAATTATTGGATGGTGTAGTTTTCTGCTTCCAAAATCTTTATTTCTGCATTAGCTATGG
ATGGACAACAACCTTTAGTGGCATATCCCTGTGCTTTGTTGTATGGAGTCTTGGCCCTGATTTCCGTCTT
T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202439 protein sequence
 Red=Cloning site Green=Tags(s)

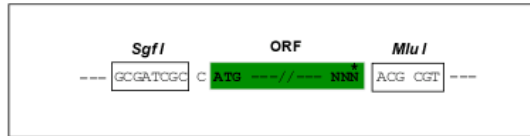
MSGFDNLNSGFYQTSYSIDEQSQQSYDYGGSGGPYSKQYAGCEYSQQGRFVPPDMMQPQQTYTGQIYQPT
 QAYPPPTPQTIFYGDSFEEEPPLLEELGINFDHIWQKTLTVLHPLRASDGSIMNETLAGPVVFLAFGAT
 LLLAGKIQFGYVYGISAIGCLGMFCLLNLMSTGVSFGCVASVLGYCLLPMILLSFAVVFSLQGMVGIL
 LTATIIGWCSFSASKIFISALAMDGQQLLVAYPCALLYGVFALISVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001014150

ORF Size: 771 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:

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_001014150.3](#), [NP_001014172.3](#)

RefSeq Size: 1722 bp

RefSeq ORF: 774 bp

Locus ID: 361315

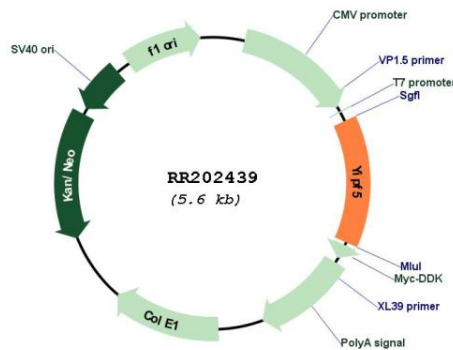
UniProt ID: [Q5XID0](#)

Cytogenetics: 18p11

MW: 27.9 kDa

Gene Summary: Plays a role in transport between endoplasmic reticulum and Golgi.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR202439