

## Product datasheet for **RG217870**

### **YIPF5 (NM\_001024947) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** YIPF5 (NM\_001024947) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** YIPF5  
**Synonyms:** FinGER5; SB140; SMAP-5; SMAP5; YIP1A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG217870 representing NM\_001024947  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAGGCTTTGAAAACCTAAACACGGATTTCTACCAGACAAGTTACAGCATCGATGATCAGTCACAGC  
AGTCCTATGATTATGGAGGAAGTGGAGGACCCTATAGCAAACAGTATGCTGGCTATGACTATTCGCAGCA  
AGGCAGATTTGCCCTCCAGACATGATGCAGCCACAACAGCCATACACCGGGCAGATTTACCAGCCAAC  
CAGGCATATACTCCAGCTTCACCTCAGCCTTTCTATGAAACAACCTTTGAGGATGAGCCACCTTTATTAG  
AAGAGTTAGGTATCAATTTTGACCACATCTGGCAAAAAACACTAACAGTATTACATCCGTTAAAAGTAGC  
AGATGGCAGCATCATGAATGAAACTGATTTGGCAGGTCCAATGGTTTTTGCCTTGCTTTGGAGCCACA  
TTGCTACTGGCTGGCAAAATCCAGTTTGGCTATGTATACGGGATCAGTGCAATTGGATGTCTAGGAATGT  
TTTGTTTATTAACCTAATGAGTATGACAGGTGTTTCATTTGGTTGTGTGGCAAGTGCCTTGGATATTG  
TCTTCTGCCCATGATCCTACTTTCCAGCTTTGCAGTGATTTTCTTTGCAAGGAATGGTAGGAATCATT  
CTCACTGCTGGGATTATTGGATGGTGTAGTTTTCTGCTTCCAAAATATTTATTTCTGCATTAGCCATGG  
AAGGACAGCAACTTTTAGTAGCATATCCTTGGCCTTTGTTATATGGAGTCTTGGCCTGATTTCCGTCTT  
T

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**



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**Protein Sequence:** >RG217870 representing NM\_001024947  
 Red=Cloning site Green=Tags(s)

MSGFENLNTDFYQTSYSIDDQSQSYDYGGSGGPYSKQYAGYDYSQQGRFVPPDMMQPQQPYTGQIYQPT  
 QAYTPASPQPFYGNFDEPPLLEELGINFDHIWQKTLTVLHPLKVADGSIMNETDLAGPMVFCLAFGAT  
 LLLAGKIQFGYVYGISAIGCLGMFCLLNLMSTGVSFVCVASVLGYCLLPMILLSSFAVIFSLQGMVGII  
 LTAGIIGWCSFSASKIFISALAMEGQQLLVAYPCALLYGVFALISVF

TRTRPLE - GFP Tag - V

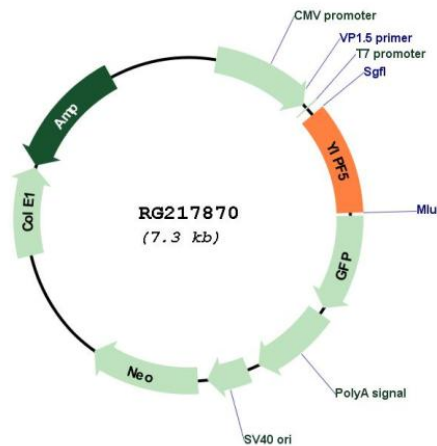
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001024947

**ORF Size:** 771 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_001024947.4</a>
<b>RefSeq Size:</b>	2269 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	81555
<b>UniProt ID:</b>	<a href="#">Q969M3</a>
<b>Cytogenetics:</b>	5q31.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Plays a role in transport between endoplasmic reticulum and Golgi.[UniProtKB/Swiss-Prot Function]