

## Product datasheet for **RG225767**

### MANEL (MANEAL) (NM\_001113482) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MANEL (MANEAL) (NM_001113482) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MANEAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225767 representing NM_001113482 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCGGGCGGGCGCCGCGCCTGCATCGCTCTGTTCTGGTGTCTCTTCGCCTTCGGCACCTCA  
TGGGTCTGCGCACGCTCAAGGCTCCGGACGACTCCCGCGCTGGGCCGGGCTGGAGCTGGCGCCCTT  
TGAGCGACGCCAGAGGGGGCCCCGCGCCCGTGCCAGGGCCCCGGCAGCCCTGCCGCGCCGCCCGG  
CCCGCCCGCGCCCGCACCGCGGACCTGGCGGCTCCCCTGGCCGGCACCCGGAGGCCGAGCCCG  
CCCCGTGCAGAGCCTGCGCGTCTACTCGGACCTGCACGCTTCTACTACTCGTGTACGGGACCCGCG  
GCGGAGGGCCACTACATTCACTGGGACCAGTCAATGGTCCCGCACTGGGACCCCAAGATCTCGGCCAGC  
TACCCCGCGGCCGCCACAGCCCCCAGACGACTTGGGCTCCAGCTTCTACCCGGAGCTGGGCCCCTACA  
GCTCCCGGACCCGAAGTGTGCGGGAGCATATGACCCAGCTCAAGGAAGCCGCATCGCGTCTGCT  
CCTGTCTGTTACCCACCTGGCATGGCTGATGATAACGGGGAGCCCTCAGATGACCTGGTCCCGCCATT  
CTGGACACCGCCATCAGTACAGCATCCAGGTGGCCTTCCACATCCAACCCTACAAGGGCCGGGATGACA  
TCACTGTACATGACAACATCAAGTACATCATTGACACGTATGGTCCCATGGTGCATTTTACCGCTATAA  
GAACAGCATGGGCAAGAGCCTCCACTCTTTTATCTACGACTCATACTGACGTCCTGAGGCTGG  
GCCACCTCCTGACACCAACGGGCCCATTCGATCCGCAACACGCCCTACGATGGGTCTTCATAGCGC  
TGCTGGTGGAGGAGGCCACCCACGATATCCTGGCCGCGGATTTGACGGCATGTACCTACTTTGC  
CTCCAATGGTTTCTCTTTGGTTCTTCCATCAGAAGTGGAAAGCTGTGAAGAATTTTGTGATGCCAAC  
AACCTCATGTTTATCCCCAGTGTGGGCGCTGGCTACATAGACACCAGCATTTCGGCCCTGGAACAACCACA  
ATACGCGCAACAGGGTCAATGGCAAGTACTATGAGACGGCCCTGCAGGCGGCCCTGACAGTGAGGCCGA  
GATCGTTTCCATTACCTCCTTCAATGAGTGGCAGGAGGCCACCCAGATTGAGAAGGCCATTTCCAAGAAG  
ACACCCACCCGCTGATTTGGACTACCTGCCTACCAGCCAGCCTGTACCTGGAGCTGACACGCCGCT  
GGGCGGAGCACTTCATCAAAGAGAAGGAGCAGTGGCTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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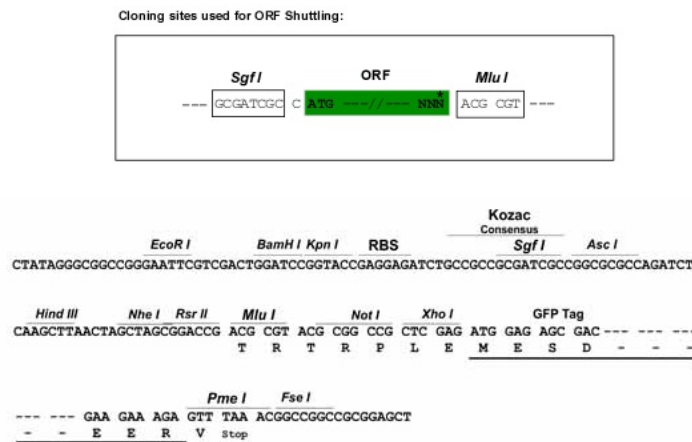
**Protein Sequence:** >RG225767 representing NM\_001113482  
 Red=Cloning site Green=Tags(s)

MARRRRRACIALFLVLLFAFGTLMGLRTLKAPDGLPALGPGLLELAPFERRPEGAPAPAARAPAAPAAPP  
 PPPPPRTADPGGSPGAPAEAEPAPVQSLRVYSDLHAFYYSWYGSPPREGHYIHWDHVMVPHWDPKISAS  
 YPRGRHSPPDDLGSFFPELGPYSSRDPEVLREHMTQLKEAAIGVLVLSWYPPGMADDNGEPSDDLVP  
 LDTAHQYSIQVAFHIQPYKGRDDITVHDNIKIYIDTYGSHGAFYRYKNSMGKSLPLFYIYDSYLT  
 SPEAW AHLLTPNGPHSIRNTPYDGVFIALLVEEGHTHDILAAGFDGMYTYFASNGFSFGSSHQ  
 NWKAVKNFCDAN NLMFIPSVGPGYIDTSIRPWNHNTRNRVNGKYETALQAALTVRPEIVSIT  
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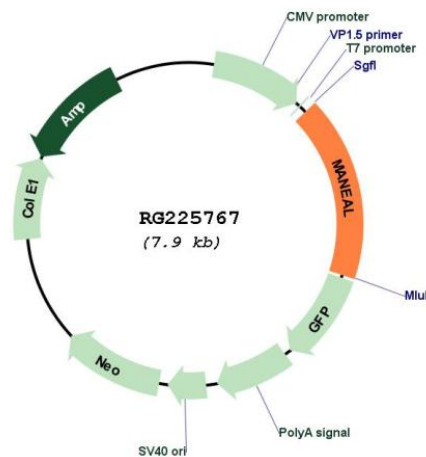
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



ACCN:	NM_001113482
ORF Size:	1371 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. <a href="#">More info</a>
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"><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>
RefSeq:	<a href="#">NM_001113482.1</a> , <a href="#">NP_001106954.1</a>
RefSeq Size:	2858 bp
RefSeq ORF:	1374 bp
Locus ID:	149175
UniProt ID:	<a href="#">Q5VSG8</a>
Cytogenetics:	1p34.3
Protein Families:	Transmembrane