

Product datasheet for **RG219254**

EPG5 (NM_020964) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPG5 (NM_020964) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPG5
Synonyms:	HEEW1; KIAA1632; VICIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219254 representing NM_020964 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGGCGGTGAAGCCCCAGCGCCGGGCCAAGGCCAAGGCCAGCCGGAATAAAACAAAGGAAAAGA
AGAAGTATGAACTCCTCAGAGGAAGAGTCCAGTGAAGTCTCCCTTCCAAAACCTCCAGAGAGCAGGA
AATCCCTTCTCTAGCCTGTGAATTCAGGAGAGACCATCTGAAGGTGGTAAGTATCCAGCTCCAGGAT
GATGCCAGTGGACAAAATGAGAGTGAATGTTTGTATGTAACCTACCTCCTTAAGCAATGAAG
AGTCCCTGACGTGAACACAGAGCCCCAAAGGAAGGGGAGAGGCCAGACCCTGTGTGGGGGACAGTGC
AGTCACTCCAAAGGTCCACCCTGGAGACAATGTTGGAATAAAGTAGAAACCCCAAGAACTTCACAGAG
GTAGAGGAAAATATGTCGGTACAAGGTGGACTTTCAGAAAGTGCACCCCAATCTAATTTTCTTATACTC
AGCCAGCAATGGAAAATATACAAGTCAAGAGAACTCAGAAATAGTAAAGAAGACAAACAAGGCCTGGTTTG
TTCTTCAGAGGTGCCACAGAATGTTGGCTTGACAGATTCTTGCCAGCCAAACATGGTTTTCAGACACCT
AGAGTGAAGAACTGTATCCCAAGTGGCAGCTGAAATGCTGGAGAAGCACCAGCTTGGTGGCAGTGA
AACCTTGCTTCGAGTGAAGGACTCTACCCAGAACTCCCGTCTCACTGGAAGTACGATTTTACTAA
AGAACAGCTAAAAATCTGGAGCCTGGTTATGGCTGGAAAATGTTGAGTCATATTTAGAAGAATTTGAC
AGCATGGCTCATCAAGACAGGCATGAATTTATGAGTTGCTTTGAAGTACTCAGATGTAGGAAGCAAC
TGCTGCTGGCTGAAGCTGAGCTGCTTACTCTGACATCTGATTGCCAAAATGCTAAAAGTCGGCTGTGGCA
GTTTAAGGAGGAACAAATGTCTGTACAGGATATCTGTGCAGATCAAGTGAAGTTTTCAGCTATCATCGC
TACCAAGAGTAGAAATGAATGAAATGCACTGGTGGAGCTAAAGAAGCTATTCGATGCCAAATCTGAGC
ACCTCCACCAGACCCTGGCCCTTATTCTTATACTTCTGTGCTCTCAAGATTGCAAGTGGAGTCTTACAT
CTATGCATTGCTCAGTAGTTCAGCTGTTCTGAGATCTTCAGCAATTCACCAGCAAGGCCGAGCGTCTAAG
CAGACAGAAAGCATTCCCTCTGATCTGTGTCAACTAAAGGAATGCATTAGTGTCTTATTCATGTTACCA
GGAGAGTTAATGAAGATACTCAGTTTCATGATGATATTCTCTGGCTGCAGAAATGGTATCCGTGCT
ACAAAGAGTTGGCTGCTCGGAGATCACCTCTTCTTCTAAACCATATTCTTCGATGCCCGCTGGTGTT



[View online »](#)

AGTAAATGGGCTGTTCTTTTATCCAGATCAAAGTGTTCATACCCATCAGGGGTCTTTCATTTTATGC
 AATCCCTTGCCCTGCTGATGTCTCTGTCAAAAATCGAGCTGAGTTTATGTGCCACATGAAGCCCAGCGA
 GCGGAAGCCATCCTCCTCAGGGCTGGGTCTGGGACTTGACGCTAGTAGACGAAGGAGGAGAAGAGGAT
 GAAGACCCTGAGACCAGTTGGATTCTCCTTAATGAAGATGATTTGGTTACCATTTTAGCACAGTTCCTCT
 TTCATGAACCTTTTCAGCATCTTCTGGGTTTAAAGCAAAAGGTGATTATTTACCTGAAACAACAAGACC
 TCAAGAGATGATGAAAATTTTGCCTTTGCCAACTCACTAGTGGAATCTTGCTGTGGGTTAGAAACC
 TTTAATAGAGCACGCTATAGGCAGTTTGTGAAGCGAATTGGTTATATGATCAGGATGACTCTTGGTTATG
 TAAGTGACCATTGGGCACAGTATGTGAGCCATAACCAAGGCTCAGGATTGGCCCAACAGCCCTACTCTAT
 GGAGAACTACAGGTTGAATTTGATGAAGTGTCTTGGAGGCTGTCTACATGTGCTGAAGGCCAAAAGA
 CTTGGCATTGGCTGTTTATGTCCGAGATGCCCTTTGGGACTCTGTCTGTGCAATGCTGTGGAAGCTCT
 TCTACCTCATGCACCAGGTGGAGAGCGAGAACCTGCAGCAGCTCTCCTCCTCCCTGCAGCCCGCCAGTG
 CAAGCAGCAGCTCCAAGACCCAGAACATTTACCAACTTTGAGAAGTGTCTTCTCTATGAATAGCTCA
 GAAGAGATTTGCCTTCTGACTACCTTTGCTCAGATGGCTCAGGCCAGAAGAACCAATGTGGACGAAGACT
 TCATAAAAATTATTGTTCTGGAGATATATGAGGTATCTTATGTCACCTTGTCTACCAGAGAGACTTTTTTC
 AAAGGTTGGTCGAGAGCTTTTAGGGACTATCACAGCTGTTACCCTGAGATAATTTCCGTCCTTCTGGAT
 AGAGTTCAAGAGACCATTGACCAGGTTGGAATGGTTTCTCTATACTTGTTTAAAGAACTGCCTTTGTATC
 TTTGGCAACCTTCTGCATCTGAGATAGCGGTGATTGCGGATTGGTTATTGAATTACAACCTGACAGTGGT
 GAAGAATAAACTGGCCTGTGTTATTCTTGAAGGACTGAATTGGGGATTGCTAAACAGGCTACCTTCAT
 CTGGATCAAGCAGTCCATGCTGAAGTGGCTTAAATGGTTCTTGAAGCTTATCAGAAGTACCTTGACAGAG
 AGCCATATGCTGGGATTCTCTGAAAGTATGAAGCAGGTTTCATATTTGGCCAGTATTGTTGATATGG
 AGAGACACCCGAGACCTCATTTAACCAATGGGCTGGAATTTAATCTTGAAGGCTAAACTGCACAAAAAC
 GATTATGGAATACAGCCGAATTTGCCAGCTGTTCCCTTCTCCGTCAGTGTGCTGACATGACAGAGTAC
 CCACGTTTCATCTCTCTTGAAGGCTGTGAAAGCGGGCATGCCATTGGCTGTTATCTAGCCTTATCTAT
 GACAGCTGTGGGCCACAGCATTGAGAAGTCTGTGACAGAAGGCATCCCACTATTGGGAATCTCTGGTCCAG
 TCAAGACATTTGAGAACAGTGGTTCATGTCTGGATAAGATTCTGCCTTTATTTTACCCTTGCCAGTATT
 ACCTTCTGAAGAATGAGCAGTTTTTATCGCATCTCCTCTTGTCTACACTTGGACAGCGGTGTCCCTCA
 GGGTGTACACAAACAGGTACCCACAAGGTGGCACAGCAGTACAGGAGCCAGCCATGGGGACAACGTG
 AAGCTTCTCAACAGCATGATCCAGGCACACATATCTGTAAGCACTCAGCCCAATGAAGTGGGCCCCGTTG
 CTGTGTTGGAGTCTGGGTTGAGGCTCTCATAAGCCAGCATCTCTGTACCGAGAACAACCTATCCTCTT
 CCTCATGGACCACTTGTGTAAGCAGCTTTTACAGCTGATGCAGGAAGACTGCATACAGAAATTACTCTAC
 CAACAACATAAGAATGCCTTGGGTTACCACTGTGACCGGAGTCTGCTCTCATCTTTGGTAAGCTGGATTG
 TGGCAGGCAACATCACTCCTTCTTGTGGAGGGCTTGGCCACGCCCACTCAGGTCTGGTTGCCTGGAC
 AGTGCTCAACATGGAATCCATCTTTGAAGAGGACTCCCAGCTCCGGAGAGTTATTGAAGGGGAATTGGTG
 ATAAACTCTGCTTTCACCCCTGACCAAGCTCTGAAGAAAGCCAGACCCAGCTGAAGCTCCCCATCGTGC
 CATCCCTCCAGAGGCTGCTGATTATCGCTGGGCCCACAGGCTCTGGTCACACCTTCTGATCACCCCT
 CCTGCCACTCATTTGGCAGAAGTCTTCTCTGTATCTTACCCTCCGGGACCACAGTATGGGTTACCC
 ATAGATGGTTGTATTGGAAGAAGTTTTTCAAAGTCTGCTCATATCAATTTGTTGAAAGAAATGAAGA
 GACGTTTGACCGAGGTGGCTGACTTCCACCATGCTGCAAGCAAGGCCCTCCGTGTTCCAGCAGAGGGCAG
 TGAAGGGCTGCCAGAGAGCCACTCTGGCACCCCTGGTTACCTGACTTACCAGAACTGCACAAGGAGCTG
 GTGAGGCTCTTCAATGTATATATATTATGGCTAGAAGATGAGAATTTTCAAAAAGGAGATACCTATATCC
 CTCTCTACCAAAGCATTATGATATTACAGGCTAGCAAAAGTATGAGCAATCAGCAGGATCTGTGGAT
 GGAGTATTTGAACATGGAGCGCATCTATCATGAGTTTCAGGAGACTGTTGGTCTGTGGACACAGGCCAAG
 CTTGAGTCCCATTCCACACCCTGCAGTTTGTCCGTGCAGCTGGACTTCACTGATCCTTTGCTGGCTAAAG
 AAAGGGTTTTAAGTAACCTGCGGAAGCATGAGGCTCCCCAGCCTCCCCTTGCTCTGCACCCGACGAAGCC
 TCCTGTGCCAGTTATTTCTCTGCTGTGCTATTGAGTCAGAAGGACGCCACCCAGCTGGTGTGCACAGAC
 CTGAATCTGTTGCAACAGCAGGCCAGAACCGCAGCTCTTCGGGAATCTCAGCAGGTTGCTCTGGATGGTG
 AGCTGTTAGACACAATGCCAAAGCAGTATGTGAATCGTGAAGAACAGACCACACTACATTTGGAGTGCAG
 AGGCAGCAGCGGTAAAGAAATGCCAAGGAGCCGAGTTGTACGGTTCAAGTTTGAAGGCATGCATAAGAAAT
 GAAGCCATAAGCCAACAGCTTATGTTTTACGGAAGGAAGTGAAGCAGTTGCAAGCAGAAGCTGCTAAAC
 CACCATCACTTAATATTGTGGAAGCTGCTGTACATGCAGAAAACCTTGATCACGGCCTTAGTGAATGCCTA
 CAAGTTGACAGCTACACCTGGGATTGAGAAAGTTGGCATTAGCCTTTTCTTACTATTGTGGATTACGTC
 AGCGATGAGACGACGCTCATCCCCAACCAAGGCAGTTCTTTACTTCATGATTGAGATCTTGGGACAGG

TATTTATCAGTGGCATTAAATCAGAGTGCAGAAAAGTACTTGAAACCATTCTGAAGAACAGCAGGCTCTG
CTCCCTGCTGTCTCCTTTCTTCACTCCCAATGCTGCACCTGCAGAGTTTCATACAGCTGTATGAGCAAGTG
GTGAAGTTTCTAAGTGAGGACAACAGTGATATGATTTTCATGCTGCTAACCAAGTTCGATCTTAAACAAT
GGTTAAGCGCCACTAAACCTCCTCTGTCTGATCGTACCAGGCTTCTGGAGTCCATTCACTTGGCACTTAC
TGCCTGGGGCCTTGAACCAGATGAGGATATTTTGTATGCCATTTAATCTTTTCTGTAAAGCACTGGACTTAT
CTTCTTCTCTACCAGTTTCTGACCAGTACAGTGACATTCTCAGGCTGCTTATGCAAAGCTCCGCGGAGC
AGCTTCTGAGCCCCGAGTGTTGGAAGGCCACTCTGAGAGCCCTGGGCTGCTGCGCCCCAGCTGCCAGCA
GGGGGCAGCGTCCACCGAGGGCGCGTGTCTCCAGCTCTTCTGATGCTCTCTTGTGACACAAGCAGGTA
ATGGAGACTATACAGTGGCTTTAGACTTTTTTATAAGCTTCGGTTATCCAAGATGGACTTTAAAAAGCT
TTGGTTTATTCTCAAAATGGAGTCCTTATATGGCTGATGTGAAGACATTCTTGGGCTACCTTGTGAAAAG
GCTGATTGACTTAGAAATGACCTGTTTGGCCCAAGACCAACTGCCAGCAGGAAAACAGTGCTGAAATCC
CTACATTCAGTAATCATTAGCTCTTTAAGCCATGGATCCTGGTTTTAGAGGACAACGAAAGCAGCCAAC
AGCGGCATTACCCCTGGCTAGAGAGTGATACTGTGGTGGCCTCAAGCATTGTGCAGCTGTCTACTGACTG
TATTGACTCACTGCATGAGAGTTTTAAAGATAAGCTGTTGCCAGGTGATGCAGGAGCCCTTTGGTTGCAC
CTGATGCATTATTGTGAAGCATGTACAGCACCCAAAATGCCAGAGTTCATTCTGTACGCTTTCATAGCA
CGTACCGGAAACTGCCATGGAAGGACCTGCACCTGACCAGATGCTCATGGAGGCCCTTCTCAAAGTGGA
ACGAGGAAGCCCCAAGAGCTGTTTCTTATTTTGGGGTCTGTACTCTGTGAAGTCAACTGGGTAGTGTG
CTCTCTGATGCCTGGAATTCAGTCCCCACCCAGAAACCCGCAGCATGATTGTCTGCCTCCTTTTCATGA
TGATTTTATTGGCAAAGGAAGTTCAACTGGTAGACCAACAGATTCACCTTTACTTAGTCTCCTTGGACA
GACAAGCTCACTTTCATGGCATCTTGTGGATATTGTGTCGTACCAGAGTGTGCTAAGTTATTTTACGAGC
CATTACCCGCGCTCCATCATCTTGGCAAAGAATCTTATGCTGAATTAATCATGAAGCTCCTAAAAGTGT
CTGCGGGCCTTTCTATTCTACTGACAGCCAGAAGCATCTTGTGCAGTTCCAAAATGCCAAGCTTTTAC
TCATCAGATGGTTCAATTCTCAGCACCTGGAACAAAATGGAATAATCACCTTAGCAGTCTAGAACAG
GAAATGTCTAAGCTCTTAGACGATATCATTGTCTTTAACCCTGCGGACATGGACAGCCAGACCCGCGACA
TGGCCCTCAGCAGCCTCTTATGGAAGTCTGATGATGATGAACAACGCGACTATTCCAACAGCAGAGTT
CCTTCGGGGCAGTATCCGGACCTGGATTGGCAAAAAATGCATGGGCTGGTGGTCTGCCCTTTTAAACA
GCAGCCTGCCAGAGCCTGGCGTCCGTCCGCCACATGGCTGAGACTACAGAAGCCTGCATCACTGCCTACT
TCAAAGAAAGCCCTCTCAATCAGAATTCAGGATGGGGACCCATTCTGGTATCCCTTCAGGTTCCCGAGCT
CACCATGGAAGAGTTCCTGCAGGAGTGCCTCACCTTGGGCAGTTACTTGACTCTTACGTCTACTTGCTT
CAGTGTTTAAACAGCGAACAGACTTTAAGGAATGAAATGAAAGTGTCTCATCTTAAGCAAGTGGCTGG
AACAGGTGTACCCAAGCTCCGTGGAGGAAGAGGCAAAGCTGTTTTTGTGGTGGCACCAAGTCCTTCAGCT
CTCCCTCATTACAGACAGAGCAGAATGACTCCGTCTGACAGAATCTGTCATTCTGAATTCTGCTCTTGGTT
CAGAGCAGGCAGAACCTCGTGGCTGAGGAGAGACTCAGCTCTGGGATCCTGGGGGCAATTGGGTTTGGCC
GGAAGTCGCCTTTGTCTAACAGGTTCCGAGTGGTTGCCGAAGCATGGCTGCCTTCTTTTCAAGTTACGGT
TCCTATGGAAGATCAGATCCGTTTGAGGCTGGCTCTGAATTACATCTGACCCCCAAAGCTCAGCAGGCT
CTGAATGCTCTTGAATCCATGGCATCAAGTAAGCAGTATGTTGAATACCAGGATCAAATATTGCAAGCCA
CCCAATTTATAAGGCATCCTGGCCATTGCCTTCAAGATGGGAAAAGCTTCTTGGCTCTTCTCGTTAACTG
TCTGTATCCAGAAGTGCATTATTTGGACCACATACGA

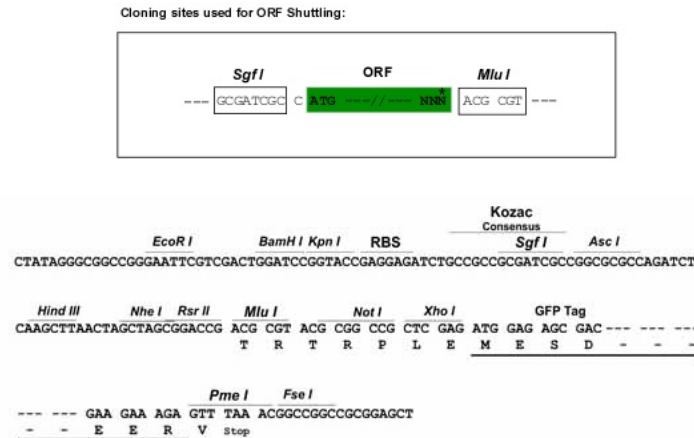
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG219254 representing NM_020964
 Red=Cloning site Green=Tags(s)

MAEAVKPQRRAKAKASRTKTKEKKKYETPQREESSEVSLPKTSREQEIPSLACEFKGDHLKVVTDSQLQD
 DASGQNESEMFVPLTSLTISNEESLTCNTEPPKEGGEARPCVGDSAVTPKVHPGDNVGTQVETPKNFTE
 VEENMSVQGLSESAPQSNFSYTQPAMENIQVRETQNSKEDKQGLVCSSEVPQNVGLQSSCPAKHGFQTP
 RVKKLYPQLPAEIAAGEAPALVAVKPLLRSELYPELPSQLELVPFTKEQLKILEPGSWLENVESYLEEFD
 SMAHQDRHEFYELLLNYSRCRKQLLLAEALLTLTSDCQNAKSRLWQFKEEQMSVQGICADQVKVFSYHR
 YQRVEMNENALVELKKLFDKSEHLHQTALHSYTSVLSRLQVESYIYALLSSSAVLRSSAIHQQGRASK
 QTESISDLCQLKECISVLFMFTRRVNEDTQFHDDILLWLQKLVSVLQRVGCPGDHLFLLNHILRCPAGV
 SKWAVPFIQIKVLHNPSGVFHFMSLALLMSPVKNRAEFMCHMKPSEKPSSSGPGSGTWTLVDEGGEED
 EDPETSWILLNEDDLVTILAQPPFHELFQHLGFKAKGDYLPETTRPQEMMKIFAFANSLVELLAVGLET
 FNRARYRQFVKRIGYMIRMTLGYYSDHWAQYVSHNQSGLAQQPYSMKQLQVEFDELFLRAVLHVLKAKR
 LGIWLFMSEMPFGTLSVQMLWKLFLMHQVESENQLQSSSLQPAQCKQLQDPEHFTNFEKCLSSMNSS
 EEICLLTTFAQMAQARRTNVDEDFIKIIVLEIYEVSYVTLSTRETFSKVGRELLGITAVHPEIISVLLD
 RVQETIDQVGMVSLYLFKELPLYLWQPSASEIAVIRDWLLNLYNLTVVKNKLACVILEGLNWGFAKQATLH
 LDQAVHAEVALMVLEAYQKYLAQKPYAGILSESMKQVSYLASIVRYGETPETSFNQWAWNLILRLKLHKN
 DYGIQPNCPAVPFSVTVPDMTESPTFHPLLKAVKAGMPIGCYALASMTAVGHSIEKFCAEGIPLLGILVQ
 SRHLRTVVHVDKILPLFYPCQYLLKNEQFLSHLLLFLHLDGVPQGVTVQVTHKVAQHLTGAHGDNV
 KLLNSMIQAHISVSTQNEVGPVAVLEFVWQALISQHLWYREQPILFLMDHLCKAAFQLMQEDCIQKLLY
 QQHKNALGYHCDRSLSSLSVSWIVAGNITPSFVEGLATPTQVFWAWTVLNMESIFEEDSQLRRVIEGELV
 INSAFTPDQALKKAQTQLKLPVPSLQRLLIYWAHQALVTPSDHPLPLLIWQKFFLLYLHRPGPYGLP
 IDGCIGRRFFQSPAHLNLLKEMKRRLETVADFHHAAASKALRVPAEGSEGLPESHSGTPGYLTSPELHKL
 VRLFNVIYLWLEDENFQKGDYIIPSLPKHYDIHRLAKVMQNQQDLWMEYLNMERIYHEFQETVGLWTQAK
 LESHSTPCSLSVQLDFTDPLLAKERVLNLRKHEAPQPPLALHPTKPPVPISSAVLLSQKDATQLVCTD
 LNLLQQQARTAAALRESQQVALDGELLDTMPKQYVNREEQTTLHLECRGSSGKKCQGAAVTVQFEGMHKN
 EASISQQLHVLKVEKQLQAEAAKPPSLNIVEAAVHAENITALVNAYKLQPTPGIQKVGISLFFITVDYV
 SDETQRHPPTRQFFTSCIEILGQVVISGIKSECKVLETILKNSRLCSLLSPFFTPNAAPAEFIQLYEQV
 VKFLSEDNSDMIFMLLTKFDLKQWLSATKPPLSDRTRLLESIHLLTAWGLEPDEDILMPFNLCKHWTY
 LLLYQFPDQYSDILRLMQSSAEQLLSPECWKATLRALGCCAPSCQGAASTEGAVLPSSSDALLSDKQV
 METIQWLSDFFYKRLSKMDFKSFGLFSKWSPYMAADVKTFLGYLVKRLIDLEMTCLAQDPTASRKTVLKS
 LHSVIIQLFKPWILVLEDNESSQQRHYPWLES DTVVASSIVQLFTDCIDSLHESFKDKLLPGDAGALWLH
 LMHYCEACTAPKMPEFILIYAFHSTYRKLPWKDLHPDQMLMEAFFKVERGSPKSCFLFLGSVLCEVNWVSV
 LSDAWNSSPHPETRSMIVCLLMMILLAKEVQLVDQTDSPLLSLLGQTSSLSWHLVDIVSYQSVLSYFSS
 HYPPSIILAKESYAEIMKLLKVSAGLSIPTDSQKHLDAVPKCAFTHQMVQFLSTLEQNGKITLAVLEQ
 EMSKLLDDIIVFNPPDMSQTRHMASSLFMEVLMNNNATIPTAEFLRGSIRTWIGQKMHLVVLPLLT
 AACQSLASVRHMAETTEACITAYFKESPLNQNSGWGPILVSLQVPELTMEEFLEQCLTLGSYLTLVYLL
 QCLNSEQTLRNEMKVLLILSKWLEQVYPPSSVEEAKLFLWWHQVLQLSLIQTEQNDSVLTESVIRILLV
 QSRQNLVAEERLSSGILGAIGFGRKSPLSNRFRVVARSMAAFVSVQVPMEDQIRLRPGSELHLTPKAQQA
 LNALESMASSKQYVEYQDQILQATQFIRHPGHCLQDGKSFLLLVNCLYPEVHYLDHIR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_020964

ORF Size: 7737 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

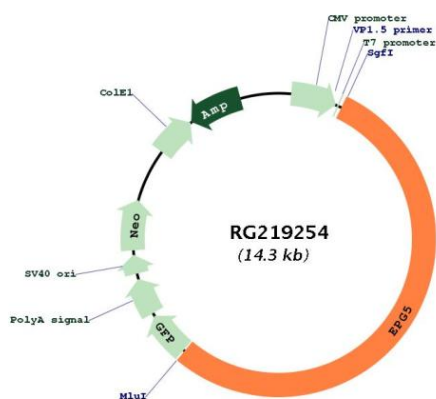
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_020964.3</u>
RefSeq Size:	12715 bp
RefSeq ORF:	7740 bp
Locus ID:	57724
UniProt ID:	<u>Q9HCE0</u>
Cytogenetics:	18q12.3-q21.1
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a large coiled coil domain-containing protein that functions in autophagy during starvation conditions. Mutations in this gene cause Vici syndrome. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RG219254