

Product datasheet for **RG219041**

ZNF154 (NM_001085384) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF154
Synonyms:	pHZ-92
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG219041 representing NM_001085384
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCGGCCACTCTGAGGACGCCAACTCAGGGCACTGTGACCTTTGAAGATGTGGCCGTACACTTCT
CCTGGGAGGAATGGGGTCTCCTTGATGAGGCTCAAAGATGCCTGTACCGTGATGTGATGCTGGAGAACTT
GGCTCTTTAACTCTCTAGATGTTTCATCATCAGAAGCAGCACCTTGGAGAAAAACATTTTCAAGAACAAT
GTGGGCAGAGCCTTGTTTGTGAAGACCTGCACATTCATGTGTGAGGGGAGCCTTCCACCTGCAGAGAAG
TTGGGAAGGACTTCTGGCCAAGTTGGGATTTCTCCATCAACAGGCTGCTCACACTGGGGAGCAATCAAA
TAGCAAAAGCGACGGTGGGGCCATCAGTCACAGAGGAAAACTCATTACAACCTGTGGAGAACACACAAAA
GCATTACGCGGTAAACACACACTTGTTCAGCAGCAGAGAACCTCACTACAGAAAGATGTTACATATGCA
GTGAATGTGGGAATCCTTTAGCAAAAGCTACAGTCTCAATGACCATTGGAGACTTCACACTGGAGAAAA
GCCTTATGAATGTCGAGAGTGTGGGAAGTCTTTAGGCAAAAGCTCTAGTCTCATTACGACCCGAGAGTT
CACACTGCAGTACGACCTCATGAATGTGATGAATGTGGAAAATTATTTAGCAACAAGTCTAACCTCATT
AACATCGGAGAGTTCACACTGGGGAAGGCCATATGAGTGCAGTGAATGTGGGAAATCCTTTAGCCAAAG
GTCTGCACTCCTTCAACATCGGGGAGTTTACACTGGGGAGAGGCCTTATGAGTGCAGTGAATGTGGGAAG
TTTTTTACATATCATTCCAGTCTCATAAACACCAGAAAGTTACAGTGGATCCAGGCCTTATGAGTGCA
GCGAATGTGGGAAGTCATTTAGCCAAAACCTTAGCCTCATTGAACACCATAGGGTTTACACTGGAGAAA
GCCTTATAAGTGCAGCAATGTGGGAAATCCTTTAGCCAAAGGTCTGCACTCCTTCAACATCGGGGAGTT
CACACTGGGGAGAGCCTTATGAGTGCAGTGAATGTGGGAAGTTCTTTCCCTACAGCTCCAGTCTCCGAA
AACACCAGAGAGTTACACTGGATCAAGACCCTATGAGTGCAGTGAATGTGGGAAATCCTTTACTCAAAA
TTCCGGCCTCATTAAAGCACAGGAGGTTTACACTGGGGAGAGCCTTATGAGTGCACGGAATGTGGGAAA
TCCTTTAGCCATAACTCCAGCCTTATTAACATCAGAGAATTCATAGTCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



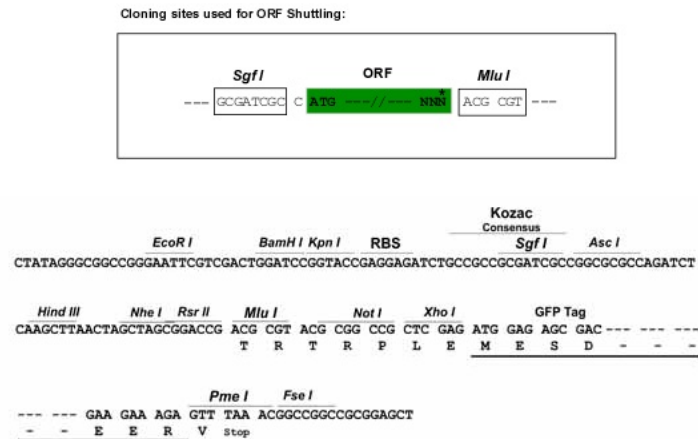
Protein Sequence: >RG219041 representing NM_001085384
 Red=Cloning site Green=Tags(s)

MAAATLRPTQTGTVTFEDVAVHFSWEEWGLLDEAQRCLYRDVMLENLALLTSLDVHHQKQHLGEKHFRSN
 VGRALFVKTCCTFHVSGEPSTCREVGKDFLAKLGFLHQAAHTGEQSNKSDGGAISHRGKTHYNCGEHTK
 AFSGKHTLVQQRTLTTTCYICSECGKSFSSYSLNDHWRLHTGEKPYECRECGKSFRQSSSLIQHRRV
 HTAVRPHECDECGKLFNKSNIKHRRVHTGERPYECSECGKSFSQRSALLQHRGVHTGERPYECSECGK
 FFTYHSSLIKHQKVHSGSRPYECSECGKSFSSQSSSLIEHHRVHTGERPYKSECGKSFQRSALLQHRGV
 HTGERPYECSECGKFFPYSSSLRKHQRVHTGSRPYECSECGKSFTQNSGLIKHRRVHTGEKPYECTECGK
 SFSHNSSLIKHQRIHSR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001085384

ORF Size: 1311 bp

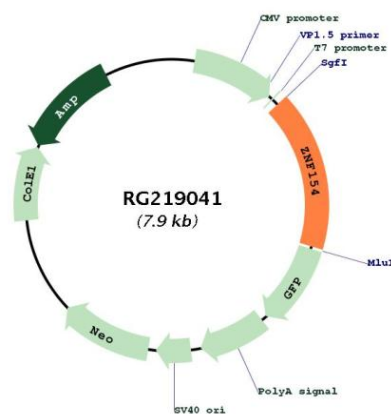
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001085384.3
RefSeq Size:	2760 bp
RefSeq ORF:	1314 bp
Locus ID:	7710
UniProt ID:	Q13106
Cytogenetics:	19q13.43
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein that belongs to the zinc finger Kruppel family of transcriptional regulators, whose members are thought to function in normal and abnormal cell growth and differentiation. Hypermethylation of this gene is associated with the recurrence of non muscle invasive bladder cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RG219041