

## Product datasheet for **RG215354**

### **nkx6.3 (NKX6-3) (NM\_152568) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** nkx6.3 (NKX6-3) (NM\_152568) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** nkx6.3  
**Synonyms:** NKX6.3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG215354 representing NM\_152568  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGCAGGGGCAGCTGGCACCTGGGTCTAGGCTTTGCTCAGGGCCCTGGGGCCTCCCCGAGCTCCAAC  
 CCGCTGCGCCCTCCTCATCAGCCGCTCAGCTGCCCTGGGGCGAGAGCTGGGGGAAGAAGCAGACTCC  
 TGCATGTCTTTCTGCTTCTGGGTGTGGTTCCAGAACCGCAGGACCAAGTGGCGGAAGAAGAGCGCCCTG  
 GAGCCCTCGTCTCCACGCCCGGGCCCGGGCGCGGGTGCAGGCGCAGGCGGGACCGCGCACCT  
 CGGAGAACGAGGACGACGAGTACAACAAGCCGCTGGACCCGACTCGGACGACGAGAAGATCCGCCTGCT  
 GCTGCGCAAGCACCGCGCCCTTCTCGGTGCTCAGCCTGGGAGCGCACAGCGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

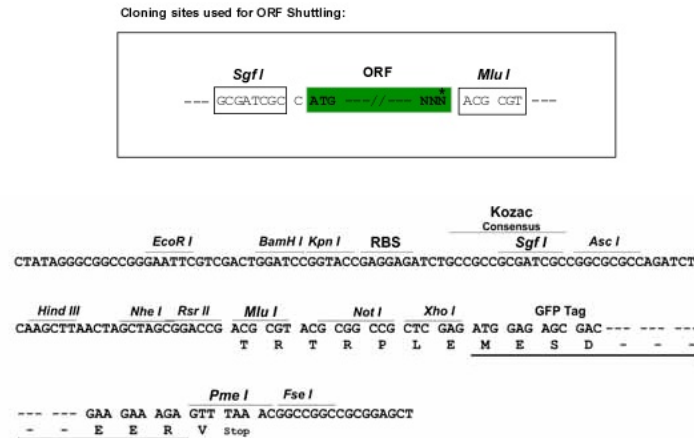
**Protein Sequence:** >RG215354 representing NM\_152568  
 Red=Cloning site Green=Tags(s)  
 MQQGQLAPGSRLCSGPWGLPELQPAAPSSSAAQLPWGESWGEEADTPACLASGVWFQNRRTKWRKKSAL  
 EPSSSTPRAPGGAGAGGDRAPSENEDEYNKPLDPDSDEKIRLLLRKHRAAFSVLSLGAHSV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_152568

**ORF Size:** 405 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\\_152568.3](#), [NP\\_689781.1](#)

**RefSeq Size:** 1640 bp

**RefSeq ORF:** 408 bp

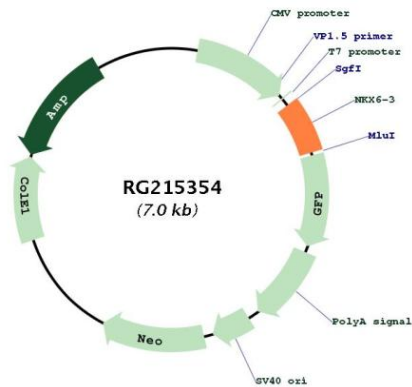
Locus ID: 157848

UniProt ID: [A6NJ46](#)

Cytogenetics: 8p11.21

Gene Summary: The NKX family of homeodomain proteins controls numerous developmental processes. Members of the NKX6 subfamily, including NKX6-3, are involved in development of the central nervous system (CNS), gastrointestinal tract, and pancreas (Alanentalo et al., 2006 [PubMed 16326147]).[supplied by OMIM, Mar 2008]

**Product images:**



Circular map for RG215354