

Product datasheet for **MG226363**

Nkx6-3 (NM_029002) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nkx6-3 (NM_029002) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Nkx6-3
Synonyms: 9130417I07Rik; Nkx6.3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226363 representing NM_029002
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCCAACCTGCAGGGGACCTTCTCCTGAACAACACAGCTGGCCCAGTTCTCAGAAATGAAGG
CTCCCATGTGCCAGTACTCGGTGCAGAACTCTTCTACAAGCTCAGCCCTCCGGGACTTGGCCCCAGCT
GGCGGCTGGGACTCCCATGGAATCACTGACATCCTGAGCAGACCGGTTGCCACCCCGAACAGCAGCCTC
CTCTCTGGCTACCCACAGTGGCAGGCTTTGGTGGACTCAGCTCCAGGGCGTCTACTATGGCCCCAGG
TGGGGAGCTTTTCCAAGGCTGGAATGAGTACCCGACCCGGACCCGGAAGTCTGGGCAGACACAGGCCA
GGACTGGAGAGGCAGCGCTCGGCCATGCAGCAACTCCAGACCCCTGAGTGACACTATCCACAAGAAA
AAGCACACCCGCCCTACCTTACGGGCCACCAGATCTTTGCCCTGGAGAAAACCTTTGAGCAGACCAAGT
ACTTGGCTGGCCAGAGCGGGCAGGCTGGCTTATCCCTGGGCATGACGGAGTACAGGTCAAGGTGTG
GTTCCAGAACCGCGGACCAAGTGGAGGAAGAAGAGCGCCCTGGAGCCCTCATCTCCACACCCCGGGCC
CCGGGAGGTGCGAGCGGGGACCGCGCGGCTCGGAGAACGAGGACGATGAGTACAACAAGCCGCTGGACC
CGGACTCGGACGACGAGAAGATCCGCTGCTGCTGCGCAAGCACCGGGCCGCTTCTCCGTGCTCAGCCT
GGCGCGCACAGCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226363 representing NM_029002
Red=Cloning site Green=Tags(s)

MESNLQGTFLNNTQLAQFSEMKAPMCQYSVQNSFYKLSPPGLGPQLAAGTPHGITDILSRPVATPNSSL
 LSGYPHVAGFGGLSSQGVYYPQVGSFSKAGNEYPTRTRNCWADTGQDWRGSARPCSNTPDPLSDTIHKK
 KHTRPTFTGHQIFALEKTFEQTKYLAGPERARLAYSLGMTESQVKVWFQNRRTKWRKKSALPSSSTPRA
 PGGASGDRAASENEDDEYNKPLDPDSDDEKIRLLLRKHRAAFSVLSLGAHSV

TRTRPLE - GFP Tag - V

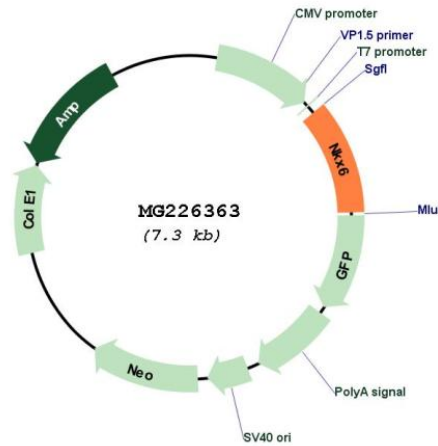
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_029002

ORF Size: 786 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:	<ol style="list-style-type: none">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_029002.2 , NP_083278.1
RefSeq Size:	2236 bp
RefSeq ORF:	789 bp
Locus ID:	74561
UniProt ID:	Q3UHX8
Cytogenetics:	8 A2
Gene Summary:	Putative transcription factor, which may be involved in patterning of central nervous system and pancreas.[UniProtKB/Swiss-Prot Function]