

Product datasheet for **MG200891**

Nxt1 (NM_019761) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nxt1 (NM_019761) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Nxt1
Synonyms: 1110001N02Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200891 representing NM_019761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATCAGTAGATTTCAAGACCTATGTGGACCAGGCCTGCAGAGCTGCAGAGGAATTTGTCAATGTCT
 ATTACACGACTATGGATAAGCGGCGTCCGCTGCTGTCCCCTGTACATGGGCACAGCCACTTTAGTATG
 GAATGGAAATGCTGTTTCAGGACAAGAATCCTTGAGTGAGTTTTTGGAGATGTTGCCTCCAGTGAGTTC
 CAAATCAGCGTAGTAGACTGCCAGCCTGTCCATGATGACGCTACACCAAGCCAGACCACCGTCTTGTTGG
 TCATCTGTGGAACAGTGAAGTTTGAAGCAACAACAGCGGGACTTCAACCAGAACTTCATCTTGACTGC
 TCAGGCGTCACCCAGTAACACAGTGTGGAAGATAGCAAGTGACTGCTCCGGTCCAGGACTGGGCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200891 representing NM_019761
 Red=Cloning site Green=Tags(s)

MASVDFKTYVDQACRAAEFVNVYYTTMDKRRRLSRLYMGATLVWNGNAVSGQESLSEFFEMLPSSSEF
 QISVVDQCVPVHDDATPSQTTVLVVICGTVKFEQKQDFNQNFILTAQASPSNTVWVKIASDCFRFQDWS

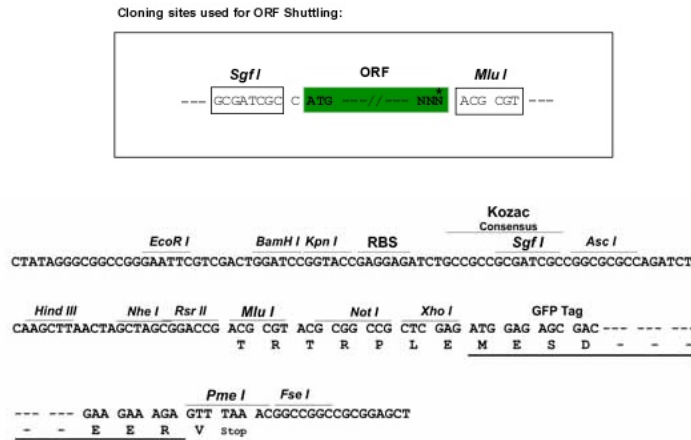
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

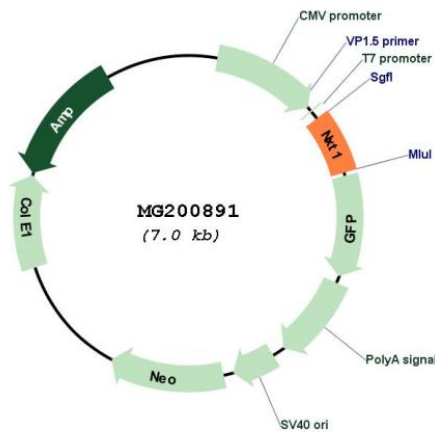


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_019761

ORF Size: 420 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_019761.4 , NP_062735.3
RefSeq Size:	939 bp
RefSeq ORF:	423 bp
Locus ID:	56488
UniProt ID:	Q9QZV9
Cytogenetics:	2 G3
Gene Summary:	Stimulator of protein export for NES-containing proteins. Also plays a role in the nuclear export of U1 snRNA, tRNA, and mRNA. The NXF1-NXT1 heterodimer is involved in the export of HSP70 mRNA in conjunction with ALYREF/THOC4 and THOC5 (By similarity). [UniProtKB/Swiss-Prot Function]