

## Product datasheet for **RR212372**

### Neurog3 (NM\_021700) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Neurog3 (NM_021700) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neurog3
Synonyms:	Ngn3; Relax
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212372 representing NM_021700 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGCCTCATCCCTTGGATGCGCCACCATCCAAGTGTCCAAGAGACCCAGCAACCCTTCCCGGAG  
CCTCGGACCACGAAGTGCTCAGTTCCAATCCACCCACCTAGCCCACTCTCGTACCGAGGACTGCTC  
CGAAGCAGAAGCAGGTGACTGCCGAGGGACATCGAGGAAGCTCCGTGCGCGGCGGGAGGGCGCAACAGG  
CCCAAGAGCGAGTTGGCACTGAGCAAGCAGCGACGAAGCCGGCGCAAGAAGGCCAACGACCGGGAGCGCA  
ACCGCATGCACAACCTTAACTCCGCGTGGATGCGCTGCGCGGTGTCTGCCACCTTCCCGGATGACGC  
CAAACCTACAAGATCGAGACCCTGCGCTTCGCCACAACCTACATTTGGGCACTGACTCAGACGCTGCGC  
ATAGCGGACCACAGTTCTACGGCCCCGAGCCCCCTGTGCCCTGTGGGGAGCTGGGAAGCCCGGGAGGGG  
GCTCCAGCGGCGACTGGGGCTCTACTACTCCCAAGTTTCCCAAGCTGGTAGCCTGAGCCCCACAGCCTC  
ATTGGAGGAGTTCCCTGGCCTGCAGGTGCCAGCTCCCATCCTGTCTGCTCCCGGGCACCTGGTGTTCT  
TCAGACTTCTTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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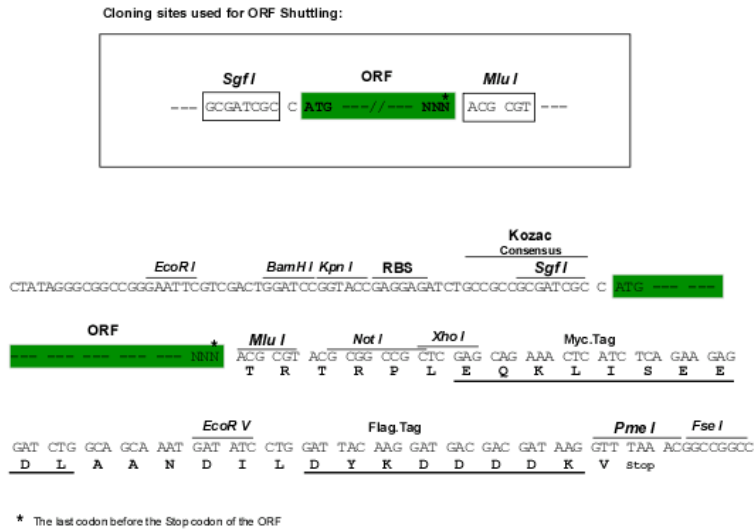
**Protein Sequence:** >RR212372 representing NM\_021700  
Red=Cloning site Green=Tags(s)

MAPHPLDAPTIQVSQETQQPFPGASDHEVLSSNSTPPSPTLVPRDCSEAEAGDCRGTSRKLRARRGGRR  
 PKSELALSKQRRSRKKANDRERNRMHNLNSALDALRGVLPFPDDAKLTKIETLRF AHNYI WAL TQTLR  
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 SDFL

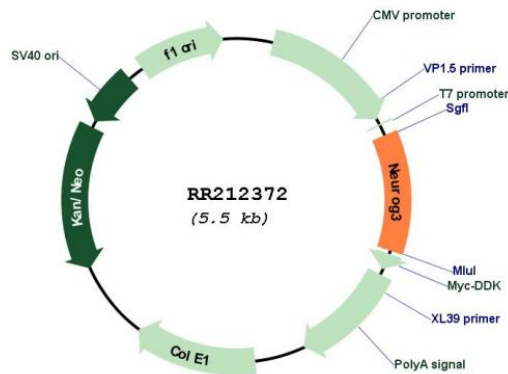
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_021700

**ORF Size:** 642 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_021700.1</a> , <a href="#">NP_067732.1</a>
<b>RefSeq Size:</b>	1491 bp
<b>RefSeq ORF:</b>	645 bp
<b>Locus ID:</b>	60329
<b>Cytogenetics:</b>	20q11
<b>MW:</b>	23.2 kDa
<b>Gene Summary:</b>	a basic helix-loop-helix transcriptional regulator that is involved in neural fate determination [RGD, Feb 2006]