

## Product datasheet for **MG222287**

### Nr6a1 (NM\_001159548) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nr6a1 (NM_001159548) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nr6a1
Synonyms:	1700113M01Rik; Gcnf; NCNF; RTR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222287 representing NM_001159548 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACATGGGAAGTTTCCGTCCCAGATGATCGAGCTGAACAACGAACCTGTCTCATCTGTGGGGACC  
GCGCTACGGGCTTGCACTATGGGATCATCTCCTGCGAGGGCTGCAAGGGGTTTTTCAAGAGGAGCATTG  
CAACAAACGGGTGTATCGGTGCAGTCGTGACAAGAACTGTGTATGTCCCAGGAGCAGAGGAACAGATGT  
CAGTACTGCCCTGCTCAAGTGTCTCCAGATGGGCATGAACAGGAAGGCTATCAGAGAAGATGGCATGC  
CTGGAGGCCGGAACAAGAGCATTGGACCAGTCCAGATATCAGAAGAAGAAATTGAAAGAATCATGTCTGG  
ACAGGAGTTTGTAGGAAGAAGCCAATCACTGGAGCAACCATGGTGACAGCGACCACAGTCCCTGGGAAC  
AGGGCTTCAGAGAGCAACCAGCCCTCACCAGGCTCCACACTATCATCCAGTAGGTCTGTGGAACAAATG  
GATTCATGGCATTGAGGATCAGTACATGGGGATGTGAGTGCCTCCACATTATCAATACATACCACCT  
TTTTAGCTATTCTGGCCACTCACCCTTTTGCCTCCACAAGCTCGAAGCCTGGACCCTCAGTCTACAGT  
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ATGCTGTGACACAGGCAGAACTGTTTGTCTGCTTTGCCGCTGGCCGACGAGTGTCTTTAGGCAGAT  
TGCTGGCAGGAGTTAATCCTGCTCCTCCCTCACAGTGTACAGCAAGCAGATCTTTGGGGAGCTGGCTG  
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TGAACGACTCATCTACCTATATCACAAGTTCATCAGCTGAAGGTGAGCAACGAGGAGTACGCATGCATG  
AAAGCAATTAACCTCCTGAATCAAGATATCAGGGGTCTGACCAGTGCCTCACAGCTGGAACAACCTGAACA  
AGCGGTATTGGTACATTTGTCAGGATTTCACTGAATATAAATACACACATCAGCCAAACCGCTTTCTGTA  
TCTTATGATGTGCTTGCCAGAGATCCGATACATCGCAGGCAAGATGGTGAATGTGCCCTGGAGCAGCTG  
CCCCTCTTTAAGGTGGTGTGCACTCCTGCAAGACAAGTACGGTGAAGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG222287 representing NM\_001159548  
Red=Cloning site Green=Tags(s)

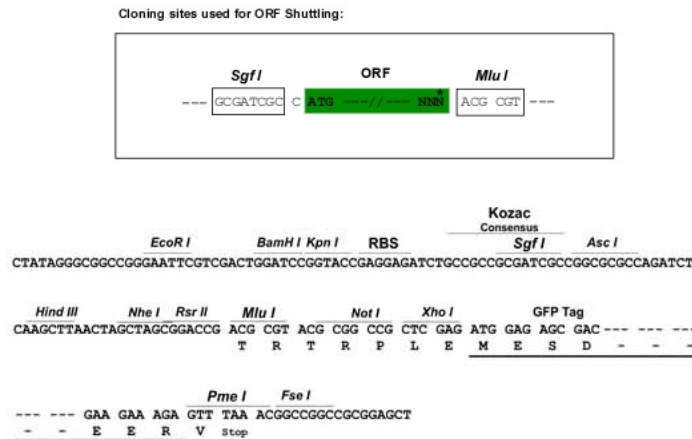
METWEVSVDDRAEQRTCLICGDRATGLHYGIIISCEGCKGFFKRSICNKRYYRCSRDKNCVMSRQQRNRC  
 QYCRLLKCLQMGMNRKAIREDGMPGGRNKSIGPVQISEEEIERIMSGQEFEEANHWSNHGSDHSSPGN  
 RASESNQPSPGSTLSSSRVELNGFMAFRDQYMGMSVPPHYQYIPHLFSYSGHSPLLPPQARSLDPQSYS  
 LIHQLSAEDLEPLGTPMLIEDGYAVTQAEFALLCRLADELLFRQIAWIKKLPFFCEL SIKDYTCLLSS  
 TWQELILLSSLTVYSKQIFGELADVTAKYSPSDEELHRFSDEGMEVIERLIYLYHKFHQLKVSNEEYACM  
 KAINFLNQDIRGLTSASQLEQLNKRYWYICQDFTEYKYTHQPNRFPDLMCLPEIRYIAGKMVNVPLEQL  
 PLLFKVVLHSCKTSTVKE

TRTRPLE - GFP Tag - V

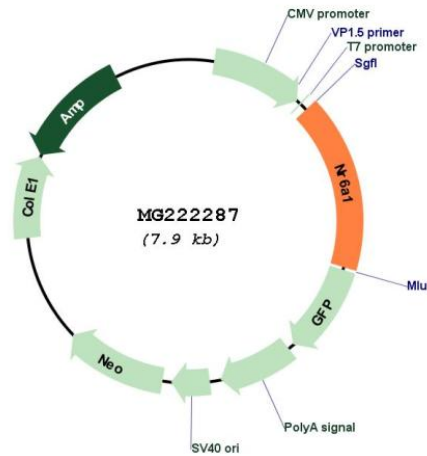
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001159548

<b>ORF Size:</b>	1314 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_001159548.1</a> , <a href="#">NP_001153020.1</a>
<b>RefSeq Size:</b>	5877 bp
<b>RefSeq ORF:</b>	1317 bp
<b>Locus ID:</b>	14536
<b>UniProt ID:</b>	<a href="#">Q64249</a>
<b>Cytogenetics:</b>	2 B
<b>Gene Summary:</b>	Orphan nuclear receptor. Binds to a response element containing the sequence 5'-TCAAGGTCA-3'. May be involved in the regulation of gene expression in germ cell development during gametogenesis.[UniProtKB/Swiss-Prot Function]