

Product datasheet for **MR222287**

Nr6a1 (NM_001159548) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr6a1 (NM_001159548) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr6a1
Synonyms:	1700113M01Rik; Gcnf; NCNF; RTR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222287 representing NM_001159548
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGACATGGGAAGTTCCGTCCCAGATGATCGAGCTGAACAACGAACCTGTCTCATCTGTGGGGACC
 GCGCTACGGGCTTGCCTATGGGATCATCTCTCGAGGGCTGCAAGGGTTTTTCAAGAGGAGCATTG
 CAACAAACGGGTGTATCGGTGCAGTCGTGACAAGAACTGTGTATGTCCCAGGAGCAGAGGAACAGATGT
 CAGTACTGCCGCTGCTCAAGTGTCTCCAGATGGGCATGAACAGGAAGGCTATCAGAGAAGATGGCATGC
 CTGGAGGCCGGAACAAGAGCATTGGACCAGTCCAGATATCAGAAGAAGAAATTGAAAGAATCATGTCTGG
 ACAGGAGTTTGGGAAGAAGCCAATCACTGGAGCAACCATGGTGACAGCGACCACAGTCCCTGGGAAC
 AGGGCTTCAGAGAGCAACCAGCCCTCACCAGGCTCCACTATCATCCAGTAGGTCTGTGGAACAAATG
 GATTCATGGCATTAGGGATCAGTACATGGGGATGTCAGTGCCTCCACATTATCAATACATACCACCT
 TTTTAGCTATTCTGGCCACTCACCCTTTGCCCCACAAGCTCGAAGCCTGGACCCTCAGTCTACAGT
 CTGATTATCAGCTGATGTCAGCCGAAGACCTGGAGCCATTGGGCACACCTATGTTGATTGAAGATGGGT
 ATGCTGTGACACAGGCAGAACTGTTTGCTGCTTTGCCGCTGGCCGACGAGTTGCTCTTTAGGCAGAT
 TGCTGGATCAAGAAGCTGCCTTTCTTCTGCGAGCTCTCAATCAAGGATTACACGTGCCTCTTGAGCTCT
 ACGTGGCAGGAGTTAATCCTGCTCTCCTCCCTCACAGTGTACAGCAAGCAGATCTTTGGGGAGCTGGCTG
 ATGTCACAGCCAAGTACTCACCCTCTGATGAAGAACTCCACAGATTTAGTGATGAAGGGATGGAGGTGAT
 TGAACGACTCATCTACCTATATCACAAGTCCATCAGCTGAAGGTCAGCAACGAGGAGTACGCATGCATG
 AAAGCAATTAACCTCCTGAATCAAGATATCAGGGGTCTGACCAGTGCCTCACAGCTGGAACAACCTGAACA
 AGCGGTATTGGTACATTTGTCAGGATTTCACTGAATATAAATACACACATCAGCCAAACCGCTTTCTGTA
 TCTTATGATGTGCTTGCCAGAGATCCGATACATCGCAGGCAAGATGGTGAATGTGCCCTGGAGCAGCTG
 CCCCTCCTCTTAAGGTGGTGCCTGCAAGACAAGTACGGTGAAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222287 representing NM_001159548
 Red=Cloning site Green=Tags(s)

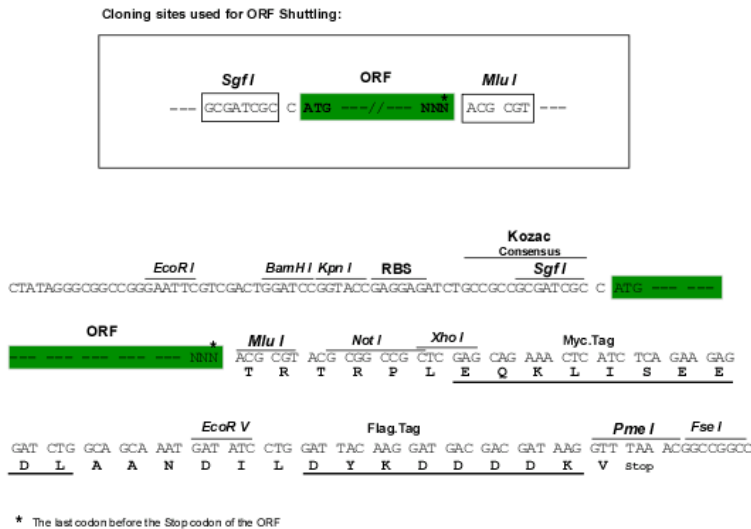
METWEVSVPDDRAEQRTCLICGDRATGLHYGIIISCEGCKGFFKRSICNKRYYRCSRDKNCVMSRKQRNRC
 QYCRLLKCLQMGMRKAIREDGMPGGRNKSIGPVQISEEEIERIMSGQEFEEEEANHWSNHGSDHSSPGN
 RASESNQPSPGSTLSSRSVELNGFMAFRDQYMGMSVPPHYQYIPLHFSYSGHSPLLPPQARSLDPQSYS
 LIHQLSAEDLEPLGTPMLIEDGYAVTQAEFALLCRLADELLFRQIAWIKKLPFFCELSEIKDYTCLLSS
 TWQELILLSSLTVYSKQIFGELADVTAKYSPSDEELHRFSDEGMEVIERLIYLYHKFHQLKVSNEEYACM
 KAINFLNQDIRGLTSASQLEQLNKRYWYICQDFTEYKYTHQPNRFPDLMMCLPEIRYIAGKMVNVPLEQL
 PLLFKVVLHCKTSTVKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001159548

ORF Size: 1314 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

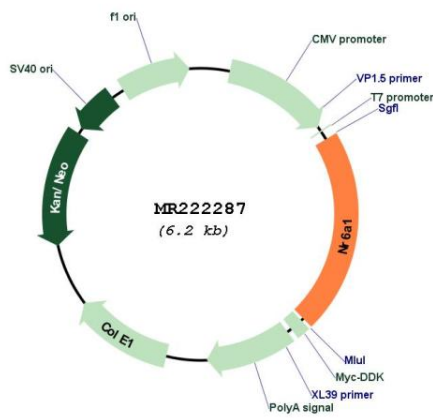
- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001159548.1](#), [NP_001153020.1](#)

RefSeq Size: 5877 bp
 RefSeq ORF: 1317 bp
 Locus ID: 14536
 UniProt ID: [Q64249](#)
 Cytogenetics: 2 B
 MW: 50.9 kDa

Gene Summary: 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]

Product images:



Circular map for MR222287