

Product datasheet for **MG225381**

Nr2f2 (NM_183261) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2f2 (NM_183261) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nr2f2
Synonyms:	2700033K02Rik; 9430015G03Rik; Aporp1; ARP-1; COUP-TF2; COUP-TFII; COUPTFB; EAR3; SVP40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225381 representing NM_183261 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGCGGTTTGGGACCTTGAACAAGGCAAATATGGTTTTGCTGTACAGAGAGGCAGGATGCCTCCTA
CCCAGCTACCCACGGGAGTTTGCCTGACCAACGGGGACCCCTCAACTGCCACTCGTACCTGTCCGG
ATATATTTCCCTGCTGCTGCGCGGAGCCCTACCCACGTGCGCTTCGGCAGTCAGTGCATGCAGCCT
AACAAATCATGGGCATCGAGAATTTGCGAACTGGCCGACGGATGCTCTTCAGCGCCGTTGAGTGGG
CCCGGAACATCCCCTTCTCCCTGACCTGCAGATCACGGACCAGGTGGCCCTCCTTCGCCTCACCTGGAG
CGAGCTGTTTCGTGTTGAATGCGGCCAGTGTCCATGCCCTCCATGTCGCCCGCTCCTTGCCGCTGCT
GGCCTGCACGCTTACCCATGTCAGCCGACCGGTTGGTCGCTTTTATGGACCACATACGGATCTTCCAAG
AGCAAGTGGAGAAGCTCAAGGACTGCACGTGACTCCGCCGAGTATAGCTGCCTCAAGGCCATAGTCTT
GTTACCTCAGATGCCTGTGGTCTGTCTGATGTAGCCATGTGGAAGCTTGCAGAAAAGTCCCAGTGT
GCTTTGGAAGAGTACGTTAGGAGCCAGTACCCCAACCAGCCAACACGGTTCGAAAGCTCTTGCTTCGTC
TCCCTTCCCTCCGACGGTCTCCTCCTCAGTCATAGAGCAATTGTTTTTCGTCCGTTTGGTAGGTA
CCCCATCGAAACCCTCATCCGGGATATGTTACTGTCCGGCAGCAGTTTTAACTGGCCATATATGGCAATT
CAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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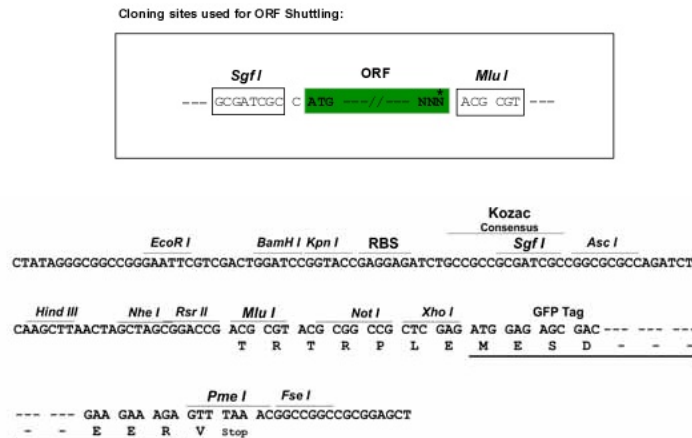
Protein Sequence: >MG225381 representing NM_183261
Red=Cloning site Green=Tags(s)

MQAVWDLEQGYGFVAVQRGRMPPTQPTHGQFALTNGDPLNCHSYLSGYISLLRAEYPYTSRFGSQCMQP
 NNIMGIENICELAARMLFSAVEWARNIPFFDLQITDQVALLRLTWSLFLVNAQAQCSMPLHVAPLLAAA
 GLHASPMSADRVVAFMDHIRIFQEQVEKALKALHVDSAAYSCLKAIVLFTSDACGLSDVAHVESLQEKSQC
 ALEEYVRSQYPNQPTRFGKLLRLPSLRTVSSSVIEQLFFVRLVGKTPLETIRDMLLSGSSFNWPYMAI
 Q

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_183261

ORF Size: 843 bp

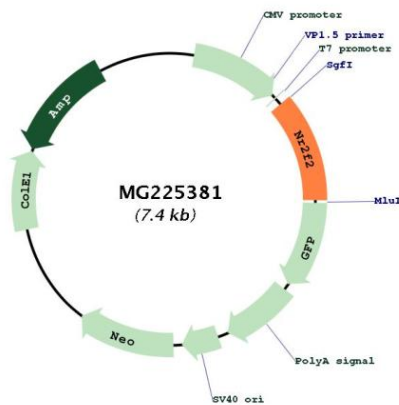
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<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:	<u>NM_183261.3, NP_899084.2</u>
RefSeq Size:	4164 bp
RefSeq ORF:	846 bp
Locus ID:	11819
Cytogenetics:	7 38.66 cM
Gene Summary:	Ligand-activated transcription factor. Activated by high concentrations of 9-cis-retinoic acid and all-trans-retinoic acid, but not by dexamethasone, cortisol or progesterone (in vitro). Regulation of the apolipoprotein A-I gene transcription. Binds to DNA site A (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225381