

Product datasheet for **MG206541**

Nr2f2 (NM_009697) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2f2 (NM_009697) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG206541 representing NM_009697
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAATGGTAGTCAGCACGTGGCGCACCCAGGACGAGGTGCCCGCTCTCAGGGCAGCCAGGCCT
 CGCAGGCGCCCGTGCCTGGCGCCCGCCGCTGGCGCCCGCACACGCCACAGACGCCGGGCAAGGGG
 CCCGGCCAGCACGCCGCCAGACAGCGCTGGCGGCCAGGGCGGCCCTGGCGGCCCGGGCAGCGACAAG
 CAGCAGCAGCAGCACATCGAGTGCCTGGTGTGCGGGGACAAGTCGAGCGCAAGCACTACGGCCAGT
 TCACGTGCGAGGGCTGCAAGAGCTTCTTCAAGCGCAGCGTGGGAGGAACCTGAGCTACAGTGCCTGC
 CAACCGGAACTGTCCATCGACCAGCACCCGCAACCAAGTGCCTGACTGCCGCTCAAAAAGTGCCTC
 AAAGTGGCATGAGACGGGAAGCTGTACAGAGAGGCAGGATGCCTCTACCCAGCCTACCCAGGGCAGT
 TTGCCCTGACCAACGGGGACCCCTCAACTGCCACTCGTACCTGTCCGGATATATTTCCCTGCTGCTGCG
 CGCGGAGCCCTACCCACGTGCGCTTCGCGAGTCAGTGCATGCAGCCTAACAAACATCATGGGCATCGAG
 AACATTTGCGAACTGGCCGACGGATGCTCTTACAGCGCGTTGAGTGGGCCCGGAACATCCCTTCTTCC
 CTGACCTGCAGATCACGGACCAGGTGGCCCTCCTTCGCCTCACCTGGAGCGAGCTGTTCTGTTGAATGC
 GGCCAGTGTCCATGCCCTCCATGTGCCCCGCTCCTTGCCGCTGCTGGCCTGCACGCTTACCCATG
 TCAGCCGACCGGGTGGTCTTTATGGACCACATACGGATCTTCCAAGAGCAAGTGGAGAAGCTCAAGG
 CACTGCACGTGACTCCGCCGAGTATAGCTGCCTCAAGGCCATAGTCTGTTACCTCAGATGCCTGTGG
 TCTGTCTGATGTAGCCATGTGGAAGCTTGCAGGAAAAGTCCCAGTGTGCTTTGGAAGAGTACGTTAGG
 AGCCAGTACCCCAACAGCCAACACGGTTCGGAAGCTCTTGTCTCGTCTCCCTCCCTCCGACGGTCT
 CCTCCTCAGTCATAGAGCAATTGTTTTTGTCCGTTTGGTAGGTAACCCCATCGAAACCCCTCATCCG
 GGATATGTTACTGTCCGGCAGCAGTTTTAACTGGCCATATATGGCAATTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG206541 representing NM_009697
 Red=Cloning site Green=Tags(s)

MAMVSTWRDPQDEVPGSQSQASQAPPVPGPPGAPHTPQTPGQGGPASTPAQT AAGGQGGPGGPGSDK
 QQQQHHIECVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLSYTCRANRNCPIDQHHRNQCYCRLKKCL
 KVGMRREAVQRGRMPPTQPTHGQFALTNGDPLNCHSYLSGYISLLLRAEPYPTSRFGSQCMQPNIMGIE
 NICELAARMLFSAVEWARNIPFPDLQITDQVALLRLTWSELFVLAQAQCSMPHVAPLLAAAGLHASP
 SADRVAFMHIRIFQEQVEKALKHVDSAEYSCLKAIVLFTSDACGLSDVAHVESLQEKSQCALEEYVR
 SQYPNQPTRFGKLLRLPSLRTVSSSVIEQLFFVRLVGKTPLETIRDMLLSGSSFNWPYMAIQ

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1898_a07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_009697

ORF Size: 1242 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_009697.3, NP_033827.2](#)

RefSeq Size: 4216 bp

RefSeq ORF: 1245 bp

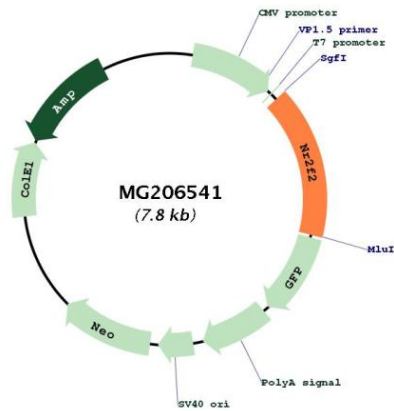
Locus ID: 11819

UniProt ID: [P43135](#)

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 MG206541