

## Product datasheet for **MR206541**

### **Nr2f2 (NM\_009697) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nr2f2 (NM_009697) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr2f2
Synonyms:	2700033K02Rik; 9430015G03Rik; Aporp1; ARP-1; COUP-TF2; COUP-TFII; COUPTFB; EAR3; SVP40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206541 representing NM\_009697  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAATGGTAGTCAGCACGTGGCGCAGCCCCAGGACGAGGTGCCCGCTCTCAGGGCAGCCAGGCCT  
 CGCAGGCGCCCGCTGCCGGGCCCGCCGCTGGCGCCCCGCACACGCCACAGACGCCGGGCAAGGGG  
 CCCGGCCAGCACGCCGGCCAGACAGCGCTGGCGGCCAGGGCGGCCCTGGCGGCCCGGGCAGCGACAAG  
 CAGCAGCAGCAGCAGCACATCGAGTGCCTGGTGTGCGGGGACAAGTCGAGCGCAAGCACTACGCCAGT  
 TCACGTGCGAGGGCTGCAAGAGCTTCTTCAAGCGCAGCGTGGGAGGAACCTGAGCTACAGTGCCTGCG  
 CAACCGGAACTGTCCATCGACCAGCACCCGCAACCAAGTGCCTGACTGCCGCTCAAAAAGTGCCTC  
 AAAGTGGCATGAGACGGGAAGCTGTACAGAGAGGAGGATGCCTCTACCCAGCCTACCCAGGGCAGT  
 TTGCCCTGACCAACGGGGACCCCTCAACTGCCACTCGTACCTGTCCGGATATATTTCCCTGCTGCTGCG  
 CGCGGAGCCCTACCCACGTGCGCTTCGCGAGTCAGTGCATGCAGCCTAACACATCATGGGCATCGAG  
 AACATTTGCGAACTGGCCGCACGGATGCTTTCAGCGCGGTTGAGTGGGCCCGGAACATCCCTTCTTCC  
 CTGACCTGCAGATCACGGACCAGGTGGCCCTCCTTCGCCTCACCTGGAGCGAGCTGTTCTGTTGAATGC  
 GGCCAGTGCTCCATGCCCTCCATGTCGCCCCGCTCCTTGCCGCTGCTGGCCTGCACGCTTACCCATG  
 TCAGCCGACCGGGTGGTGCCTTTATGGACCACATACGGATCTTCCAAGAGCAAGTGGAGAAGCTCAAGG  
 CACTGCACGTGACTCCGCCGAGTATAGCTGCCTCAAGGCCATAGTCTGTTACCTCAGATGCCTGTGG  
 TCTGTCTGATGTAGCCATGTGGAAGCTTGCAGGAAAAGTCCCAGTGTGCTTTGGAAGAGTACGTTAGG  
 AGCCAGTACCCCAACAGCCAACACGGTTCGGAAGCTCTTGTCTCGTCTCCCTCCCTCCGACGGTCT  
 CCTCCTCAGTCATAGAGCAATTGTTTTTTCGTCGGTTTGGTAGGTAACCCCATCGAAACCCCTCATCCG  
 GGATATGTTACTGTCCGGCAGCAGTTTTAACTGGCCATATATGGCAATTCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206541 representing NM\_009697  
 Red=Cloning site Green=Tags(s)

MAMVVSTWRDPQDEVPQSQSQASQAPPVPGPPGAPHTPQTPGQGGPASTPAQTAAGGQGGPGGPGSDK  
 QQQQQHIECVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLSTCRANRNCPIDQHHRNQCQYCRLLKCL  
 KVGMRREAVQRGRMPPTQPTHGQFALTNQDPLNCHSYLSGYISLLLRAPYPTSRFGSQCMQPNNIMGIE  
 NICELAAARMLFSAVEWARNIPFFPDLQITDQVALLRLTWSLEFVLNAAQCSMPLHVAPLLAAAGLHASP  
 SADRVVAFMDHIRIFQEQVEKALKALHVDSAEYSCLKAIVLFTSDACGLSDVAHVESLQEKSQCALEEYVR  
 SQYPNQPTRFGKLLRLPSLRTVSSSVIEQLFFVRLVGKTPLETIRDMLLSGSSFNWPYMAIQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9088\\_f04.zip](https://cdn.origene.com/chromatograms/mm9088_f04.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](mailto: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

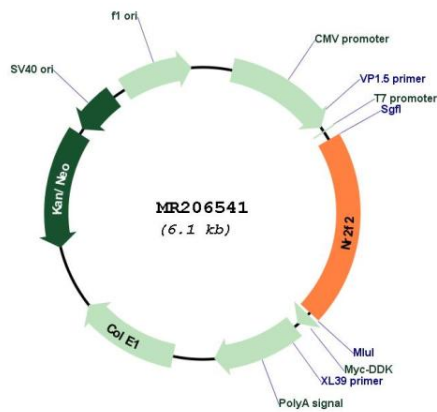
UniProt ID: [P43135](#)

Cytogenetics: 7 38.66 cM

MW: 45.6 kDa

**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 MR206541