

Product datasheet for **MC208449**

Nr2f1 (NM_010151) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2f1 (NM_010151) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr2f1
Synonyms:	COUP-TF1; COUP-TFI; COUPTFA; EAR-3; EAR3; Erbal3; SVP44; Tfcoup1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC208449 representing NM_010151
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAATGGTAGTTAGCAGCTGGCGAGATCCGCAGGACGACGTGGCCGGGGCAACCCCGCGGCCCA
 ACCCCGACAGCGCAGGCAGCCCGCGGCGGCGGCGGCGAGCAGCAGCAGGCGGGCTCCGGCGCGCCGCA
 CACGCCGACAGCCCGGGCCAGCCCGGAGCGCCCGCCACCCCGCACGGCAGGGACAAGGGCCAGGGC
 CCGCCCGTTTCAGGCCAGAGCCAGCAGCACATCGAGTGGTGTGCGGGGACAAGTCGAGCGGCAAGC
 ACTACGGCCAATTCACCTGCGAGGGCTGCAAAAGTTTCTTCAAGAGGAGCGTCCGCAGGAACTTAACTTA
 CACATGCCGTGCCAACAGGAACTGTCCCATCGACCAGCACCACCGCAACCAGTGCCAATACTGCCGCTC
 AAGAAGTGCTCAAAGTGGGCATGAGGCGGGAAGCGTTTCAGCGAGGAAGAATGCCTCCAACCCAGCCCA
 ATCCAGGCCAGTATGCACTCACAAACGGGGATCCTCTCAATGGCCACTGTACCTGTCTGGCTACATTTCC
 TCTGCTGTGCGCGCAGAGCCCTACCCACGTGCGGTTATGGCAGCCAGTGCATGCAGCCCAACAACATC
 ATGGGCATCGAGAACATCTGCGAGCTGGCAGCCCGCTCCTCTTACAGCGCGTTCGAGTGGGCCCGCAACA
 TCCCGTTCTTCCCGGATCTGCAGATCACGGACCAGGTGTCTCTGCTGCGCCTCACCTGGAGCGAGCTGTT
 CGTGCTCAACGCGGCCAGTGTCCATGCCCTGCACGTGGCGCCGCTGTGGCCGACGCCGGCCTGCAC
 GCCTCGCCATGTCCGCGGACCGCGTGTGGCCTTCATGGACCACATCCGCATCTTTCAGGAACAGGTGG
 AGAAGCTCAAGGCGCTGCACGTGACTCTGCCGAGTACAGCTGCCTCAAAGCCATCGTGCTATTACAGTC
 AGATGCTTGTGGCCTGTCCGATGCTGCCACATCGAAAGCCTGCAGGAGAAATCACAGTGTGCCCTGGAG
 GAGTATGTGAGAAGCCAGTACCCCAACCCAGCCCGCTTTGGCAAAGTGTGCTGCGATTGCCCTCTC
 TTCGCACAGTGTCTCTCTGTATCGAGCAACTCTTCTCGTACGTTTGGTAGGTAAGTAACTCCCATCGA
 AACTCTCATCCGAGATATGTTGCTGTGAGGGAGCAGTTTCAACTGGCCTTACATGTCCATCCAGTGTCC
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_010151

Insert Size: 1263 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](#)

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: [BC108408](#), [AAI08409](#)

RefSeq Size: 1850 bp

RefSeq ORF: 1263 bp

Locus ID: 13865

UniProt ID: [Q60632](#)

Cytogenetics: 13 41.38 cM

Gene Summary: Coup (chicken ovalbumin upstream promoter) transcription factor binds to the ovalbumin promoter and, in conjunction with another protein (S300-II) stimulates initiation of transcription. Binds to both direct repeats and palindromes of the 5'-AGGTCA-3' motif. Represses transcriptional activity of LHCG (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).