

## Product datasheet for MC208448

### Nr2f6 (NM\_010150) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2f6 (NM_010150) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr2f6
Synonyms:	AV090102; COUP-TF3; EAR2; Erbal2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208448 representing NM_010150 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCATGGTGACCGGTGGCTGGGGCGACCCCGAGGCGACACGAACGGCGTGGACAAGGCTGGTGGGA  
GCTACCCACGCGCGACCGAGGACGATTCGGCGTCACCTCCCGGGCGACACGCGCGGAGCCGGGCGA  
CGAGGAGCGTCCGGGTTGCAGGTGGACTGCGTGGTGTGCGGGGACAAGTCCAGTGGAAAGCATTACGGC  
GTGTTACCTGCGAGGGCTGCAAGAGTTTCTTCAAGCGCAGCATCCGCCAATCTCAGTACACCTGCC  
GGTCCAACCGTGACTGTCAGATTGATCAGCACCACCGGAACAGTGTGACTGTGGTCAAGAAGTG  
CTTCCGGTGGGCATGCGCAAGGAGGCCGTGCAGCGAGGCCGATCCCGCATGCGCTCCCGGTCCAGCG  
GCCTGCAGTCCCCGGGCGCGACGGGCGTCAACCTTTCACGGGGCCGCCAGTGTCCGAGCTGATTGCGC  
AGCTGCTGCGTGCTGAGCCCTACCCCGCGGCCGACGCTTTGGTGGCGGGCGCTGACTGGGCATCGA  
CAACGTGTGCGAGTTGGCGGCACGCCTGCTGTTGAGCAGCGTGCAGTGGGCCCGCCACGCGCCCTTCTTC  
CCGAGCTGCCGGCCCGCACCAGGTGGCGTCTGCGGCTCAGTGGAGTGAGCTTTCGCTGCTGAACG  
CGGCGCAGGCGGGCGTGCCGTCATACGGCACCCTGCTGGCCGCCCGGGGTTGCATGCCCGCCCAT  
GGCAGCCGAGCGGGCCGTGGCCTTCATGGACCAGGTGCGTGCCTCCAGGAGCAGGTGGACAAGCTGGGC  
CGCCTGCAGGTGGATGCTGCGGAGTACGGCTGCCTCAAGGCCATCGCGCTTTCACGCCTGATGCCCTGTG  
GCCTTTCTGACCCAGCCCATGTGGAGAGCCTGCAGGAGAAGGCACAGGTGGCCCTCACCGAGTATGTGCG  
TGCCAGTACCCATCGCAGCCCCAGCGCTTTGGCGTCTGCTGCTGCGGCTGCCAGCCCTGCGTGTGTG  
CCCGCATCCCTCATCTCCAGCTCTTTCATGCGCCTGGTGGCAAGACACCCATCGAGACCCATCC  
GGGACATGCTTCTGTCAGGGAGCACCTTAACTGGCCCTATGGCTCGGGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_010150
<b>Insert Size:</b>	1173 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC008138</a> , <a href="#">AAH08138</a>
<b>RefSeq Size:</b>	1959 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	13864
<b>UniProt ID:</b>	<a href="#">P43136</a>
<b>Cytogenetics:</b>	8 34.43 cM
<b>Gene Summary:</b>	<p>Transcription factor predominantly involved in transcriptional repression. Binds to promoter/enhancer response elements that contain the imperfect 5'-AGGTCA-3' direct or inverted repeats with various spacings which are also recognized by other nuclear hormone receptors. Involved in modulation of hormonal responses. Represses transcriptional activity of the lutropin-choriogonadotropic hormone receptor/LHCGR gene, the renin/REN gene and the oxytocin-neurophysin/OXT gene. Represses the triiodothyronine-dependent and -independent transcriptional activity of the thyroid hormone receptor gene in a cell type-specific manner. The corepressing function towards thyroid hormone receptor beta/THRB involves at least in part the inhibition of THRB binding to triiodothyronine response elements (TREs) by NR2F6. Inhibits NFATC transcription factor DNA binding and subsequently its transcriptional activity. Acts as transcriptional repressor of IL-17 expression in Th-17 differentiated CD4(+) T cells and may be involved in induction and/or maintenance of peripheral immunological tolerance and autoimmunity. Involved in development of forebrain circadian clock; is required early in the development of the locus coeruleus (LC). [UniProtKB/Swiss-Prot Function]</p>