

Product datasheet for **MC200008**

Nr4a1 (NM_010444) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr4a1 (NM_010444) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr4a1
Synonyms:	Gfrp; GFRP1; Hbr-1; Hbr1; Hmr; N10; NGFI-B; NGFIB; NP10; nur77; TIS1; TR3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC004770 sequence for NM_010444
 GCGAAAGTTGGGGGAGTGTGCTAGAAAGGACTGCGGAGCGGAGCGCACGCGGGACCAGGCTGCGACTGGGT
 CGCTGGTCCCAGCCACAGGGAGTGGGAGCCGGCTGGAGATGCCCTGTATTCAAGCTCAATATGGAACACC
 AGCAACGAGCCCAGGACCAGCGGTGACCACCTGACCGGTGATCCCCTGGCCCTTGAGTTCGGCAAGCCTACC
 ATGGACCTGGCCAGCCCCGAGACAGCACCTGCCGCACCTGCTACACTGCCAGCTTCAGCACCTTCATGG
 ACGGGTACACCCGAGAGTTTGACACCTTCTCTACCAGCTGCCGGGACGACCCAGCCGCTGCTCCTCAGC
 TTGTTCTCTGCCTCCTCCACGTCTTCTCTCATCCTCGGCCACCTCCCCGCTTCGGCGTCCTTCAAG
 TTTGAGGACTTCCAGGTGTACGGCTGCTACCCGGGACCCCTGAGCGGCCATTAGATGAGACCCTATCCT
 CCAGCGGCTCTGAGTACTATGGCAGTCCCTGCTCAGCCCCCTCGCCATCTACACCCAACCTCCAGCCGTC
 CCAGCTTCTCCTGGGACGGCTCATTTGGCCACTTCTCCCCGAGCCAGACTTATGAAGGCTCTGGGCA
 TGGACAGAGCAGTTGCCTAAGGCTTCTTCAGGGCTCCGCCACCTCCAACCTTCTCTCCTTCAGTCCTC
 CCACTGGCCCCAGCCCCAGCCTGGCCCAGAGTTCTCTGAAATTGTTCCACCACCAGCCACCCACCAGCT
 TGGGGAGGGGAGAGCTATTCATGCCAGCAGCTTCCCCGGCTTGGCACCCACCTCCGAACCGTGAC
 ACTTCCGGCATTCTGGACGACCCGTGACCTCCACCAAGTCCCGGAGCGGGCTTCAGGTGGCAGCGAGG
 GCCGCTGTGAGTCTGTGGTGACAATGCTTCGTGTCAGCACTATGGGGTCCGCACCTGTGAGGGCTGCAA
 GGGCTTCTTCAAGCGCACAGTACAGAAAAGCGCCAAGTACATCTGCCTGGCAAACAGGATTGCCCTGTG
 GACAAGAGGGCGGGAACCGCTGCCAGTTCTGCCGCTTCCAGAAGTGCCTGGCTGTGGGCATGGTGAAGG
 AAGTTGTACGGACAGACAGCCTAAAAGGGCGGGGGCCGGCTACCTTCAAACCCAAGCAGCCTCCAGA
 TGCTCCCTACCAATCTTCTCACTTCCCTCATCCGGGCACACTTGGACTCCGGGCTAGCACTGCCAAA
 TTGGACTATTCGAAGTCCAGGAAGTGGTGTGCCCGCTTCCGGGAAGGAAGTCCGGGTGACGTGCAAC
 AATTTTATGACTTGTCTCTGGTCCCTGGACGTTATCCGAAAGTGGGCAGAAAAATCCCTGGCTTCAT
 TGAGCTTTGCCAGGAGACCAAGACCTGTTGCTAGAGTCTGCCTTCTGGAACCTTTCATCCTCCGCCTG
 GCATACCGATCTAAACCCGGTGAGGGGAAGCTCATCTTCTGCTCAGGCCTGGTACTACACCAGCTGCAGT
 TGCCCCGTGGCTTGGTATTGGATTGACAACATCCTGGCCTTCTCACGGTCCCTGCACAGCTTGGGTGT
 TGATGTTCCCGCTTTGCCTGCCTGTCCGCTCTGGTCTCATCACTGATCGACACGGGCTCCAGGACCCCT
 CGTCGGGTGGAAGAGCTGCAGAATCGCATTGCTAGCTGTCTGAAGGAGCACATGGCTACCGTGGCAGGAG
 ACCCACAGCCGGCCAGCTGCCTGTACGCTGTGGGCAAACCTGCCTGAGCTTCCGACCCTGTGCACTCA
 AGGCTGCAGCGCATCTTTTGCCTCAAGTTGGAGGACTTGGTACCCCTCCACCTATTGTGGACAAGATC
 TTTATGGACACATTGTCTTTCTGACCCCTGCCCTGAACATGTGTGCGCACACGTGCTGCTCTTCTGTCA
 CCCATGTGCCTTTAAGCCTATAGCCACGACCCCCAGACCACCCTACCCCCAGCCTGGTTTTGAGCTAA
 GACTGACGTACCTCCTCACTCCAGAAGATGGACAGAGAACTCAAGACCTGGGGGAGGGTGTGATTACAG
 GGGGTGACCCACTATTTGTCTTATCCCTCCAGCTCAGTCTGGCCTTCTGTGTGTTTTGTAAAGATAAAC
 CATTTTTAACACATAACACTCTGTTGTAATAAGCTGACGCTACTGTAATAACAGAAAGGAAGAGTTGA
 GATGGGGGTTGGGAGGAAGGGTGGGGCTCCCACCAGCTGGGCGAGCCTCCAACCTCGAGATCTTCCCGC
 TCTCCTCCATGTGTACATAACTGTCACTCAAGAAGGTGATTGACAGATTCTGATTTATATTTGTGATT
 TTCCTGGATTTATAGGATGTGACTTTTCTGATTAATATATTTAATATATTGAATAAAAAATAGACATGTA
 GTTGAIAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010444

Insert Size: 1806 bp

OTI Disclaimer: 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).

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: [BC004770](#), [AAH04770](#)

RefSeq Size: 2474 bp

RefSeq ORF: 1806 bp

Locus ID: 15370

UniProt ID: [P12813](#)

Cytogenetics: 15 F1

Gene Summary: Orphan nuclear receptor. May act concomitantly with NURR1 in regulating the expression of delayed-early genes during liver regeneration. Binds the NGFI-B response element (NBRE) 5'-AAAAGGTCA-3'. May inhibit NF-kappa-B transactivation of IL2. Participates in energy homeostasis by sequestering the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation (By similarity). Plays a role in the vascular response to injury (PubMed:22427340).[UniProtKB/Swiss-Prot Function]