

Product datasheet for **RN209007**

Nr1d2 (NM_147210) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1d2 (NM_147210) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nr1d2
Synonyms:	HZF-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209007 representing NM_147210
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGTGAACGCGGGAGGTGTGATTGCCTACATCAGTTCCTCCAGCTCTGCCTCCAGCCCTGCCTCCT
GTCACAGCGAGGGCTCTGAGAACAGTTTCCAGTCTCGTCTCGTCCGTTCCGTCTTCTCCAACAGCTC
CAACTGTGATGCCAACGGCAACCCCAAGAACACGGATGTCTCTAGCATTGACGGTGTCTCAAGAGCGAC
CGCACAGACTGTCTGTGAAAACAGGCAAACTGGTGCCCTGGCATGACCAAGAGTACAGCGGAATGA
CAAAATTTAGTGGCATGGTTCTGCTATGTAAGTCTGTGGGGATGTGGCCTCAGGATTCCTACTATGGAGT
TCATGCTTGTGAAGGCTGAAGGGCTTCTTCAGGAGGAGCATTACAGCAGAACATCCAGTACAAGAAGTGC
CTGAAGAACGAGAATTGCTCCATCATGAGGATGAACAGGAACCGCTGCCAGCAGTCCCGCTCAAGAAGT
GTCTGTCCGTGGGAATGTCGCGGGACGCTGTTTCGATTTGGCCGGATCCCAAGCGTGAAAAACAGAGAAT
GCTAATTGAGATGCAAAGTGCAATGAAGACCATGATGAGCACCCAGTTCGGTGGCCACCTGCAGAGTGAC
ACCTTAGCAGAGCCGCATGAGCAGTCACTACCACCGGCTCAGGAGCAGCTGCGGCCCAAGCCCCAGCTGG
AGCAAGAAAACATCAAAAAGCACCCCTCCTCTCTGATTTTGCAAAGGAGGAAGTATTGGCATGGTGAC
CAGAGCCCAAGGATACCTTTCTGTATAATCAGGAACATCGAGAAAACCTCATCTGAGAGCATGCCACCC
CATAGAGGAGAACGGATTCCCAGGAATGTGGAGCAATAAATTTAAATCATGACCATCGTGGCGGTGGGC
TTCACAGCCACTCCCCTGTAGTGAGAGCCAGCAGCATCTCAGTGGACAGTACAAGGGAGGAACATGAT
GCACTACCCAAACGGGCATACCGTTTGTATTTGCAATGGACACTGTGTGAACTTCTCCAGTGCTTACCCT
CAAAGAGTCTGTGATAGGATCCAGTAGTGGATGTTCTCAGACTGAGAGCAGGAATAGCTACCTGTGCA
GCACTGGAGGGAGGATGCATCTGGTTTGTCTATGAGCAAGTCTCCATATGTGGATCCTCAGAAAATCTGG
ACATGAAATCTGGGAAGAATTTTCAATGAGTTTTACCCAGCAGTAAAAGAGGTGGTAGAATTTGCAAAA
CGTATTCTGGCTCCGAGATCTGTCTCAGCATGATCAGGTCAACCTGTTAAAAGCTGGGACTTTTGAGG
TTTTAATGGTGCGATTTGCTTCGTTATTTGATGCAAAGGAGCGGACTGTCACCTTCTGAGTGGTAAGAA
GTACAGTGTGGATGACCTGCACTCCATGGGAGCAGGCGATCTGCTCAGCTCTATGTTGAGTTCAGCGAG
AAGCTGAATGGCCTCCAGCTCAGCGACGAGGAAATGAGCTTGTTACAGCTGTTGTTCTGGTGTCTGCAG
ATCGATCTGGAATTGAAAATGTCAACTCAGTGGAGGCTCTGCAGGAAACACTCATCCGTGCACTAAGGAC
CTTAATAATGAAAACCATCAAATGAGGCCTCCATTTTACAAAATTACTTCTAAAGTTGCCAGATCTT
CGATCTTTAAACAACATGCACTCTGAGGAACTCTTGGCCTTTAAAGTTTCATCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_147210

Insert Size: 1737 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: [NM_147210.2](#), [NP_671743.2](#)

RefSeq Size: 4610 bp

RefSeq ORF: 1737 bp

Locus ID: 259241

UniProt ID: [Q63504](#)

Cytogenetics: 15p16

Gene Summary: This gene encodes a member of the nuclear hormone receptor family, specifically the NR1 subfamily of receptors. The encoded protein functions as a transcriptional repressor and may play a role in circadian rhythms and carbohydrate and lipid metabolism. [provided by RefSeq, Feb 2014]