

Product datasheet for **MC216429**

Nr0b1 (NM_007430) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr0b1 (NM_007430) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr0b1
Synonyms:	AH; Ahc; Ahch; AHX; Dax; DAX-; DAX-1; Dax1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216429 representing NM_007430
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGTGAGGACCACCCGTGGCAGGGCAGCATCCTCTACAATCTACTGATGAGCGCGAAGCAGAAGC
ACGCGTCTCAGGAAGAGCGAGAGGTGCGCTTGGGGCTCAGTGTGGGGTTGCGCCTGCGGTGCTCAGCC
CGTCTGGGTGGGAGAGACTGTCCGGCGGCAAGCCAGGTCCCTCTTGTACCGTGCTGCTTTTGTGGG
GAGAATCACCCGCGCCAGGGTGGCATCCTCTACTCTATGCTACCAACGCCAGGCAGCAAGCGTGGCGA
CCCAGGCGCCGAGGGCACGATTCGGAGCACCTTGTGGGGCTGCGCCTGCGGCAGCGCAGAGCCCCTGGT
GGGCAGAGAGGGGCTGCCGGTGGCCAGGCCCCCTCGCTCCTGTACCGTGCTGCTTCTGCGGAGAAGAG
CACCCGAGGCAGGCAGCATCTTATACAGCTTGTCTACTAGCGCTCAGCAAACGCACGTGTCTCGGGAAG
CACCCGAGGCACATCGCAGAGGCGAGTGGTGGCAGCTGTCTACTGTACCCAGAGTGTGGTGGCCAGA
GGGGCTGCAGAGCACACAGGCCATGGCGTTCCTGTACCGCAGCTATGTGTGCGGTGAAGAGCAGCCCAG
CAGATCAGCGTTGCCCTTGGCACGCCCTGAGCGCAGACCAAACACCAGCGACCCCGCAAGAGCAGCCGA
GGGCTCCCTGGTGGGACGCCTCACCTGGTGTGCAGCGTCTGATCACACTCAAGGATCCACAGGTGGTGTG
CGAGGCAGCGTCCGCTGGCTGTTGAAGACCCTGCGCTTTGTCAAGTACTTGCCCTGCTTCCAGATCCTG
CCCCTAGATCAGCAGCTGGTGTGGTGGGAGCTGTTGGGCGCCCTACTCATGCTTGAGTTGGCCCAAG
ATCACCTGCACTTCGAGATGATGGAGATCCCGGAGACCAACACGACGCAGGAAATGCTTACCACCAGGCG
GCAGGAGACCGAAGGTCCAGAGCCTGCAGAGCCCCAGGCCACAGAGCAGCCACAGATGGTGTCCGCGGAG
GCTGGGCACTTGCTCCCAGCTGCTGCGGTCCAGGCCATCAAGAGTTTCTTTTTCAAGTGTGGAGTCTGA
ACATTGACACCAAAGAGTATGCCTATCTGAAAGGGACCGTGCTCTTTAACCCAGACCTGCCTGGCCTGCA
GTGCGTGAATAACATTGAGGGTCTTCAGTGGAGAACCAGCAGATCCTTACTGAGCACATCCGGATGATG
CAGAGAGAGTACCAGATCAGATCCGCTGAACTGAACAGTGCCCTTTTCTGCTGAGATTCATCAATAGCG
ATGTCGCTCACTGAACTCTTTTTCAGGCCATCATTGGTGCAGTCAGCATGGATGATATGATGCTGGAGAT
GCTCTGTGCAAAGCTGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1542_b10.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_007430

Insert Size: 1419 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_007430.4](#), [NP_031456.1](#)

RefSeq Size: 1794 bp

RefSeq ORF: 1419 bp

Locus ID: 11614

UniProt ID: [Q61066](#)

Cytogenetics: X 39.67 cM

Gene Summary: This gene encodes an orphan nuclear receptor protein that plays a key role in differentiation of the gonads. This protein regulates steroidogenic factor 1 (Sf-1) in a dose-dependent manner, sometimes functioning as a repressor of SF-1 target genes, and sometimes functioning as a co-activator. Overexpression of this gene can cause feminization of the XY male gonads. This gene is also involved in the maintenance of embryonic stem cell pluripotency. Mutations in the related gene in human cause congenital adrenal hypoplasia and hypogonadotropic hypogonadism. [provided by RefSeq, May 2015]