

Product datasheet for **MR224919**

Nr0b1 (NM_007430) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr0b1 (NM_007430) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR224919 representing NM_007430
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGTGAGGACCACCCGTGGCAGGGCAGCATCCTCTACAATCTACTGATGAGCGCGAAGCAGAAGC
 ACGCGTCTCAGGAAGAGCGAGAGGTGCGCTTGGGGCTCAGTGCTGGGGTTGCGCCTGCGGTGCTAGCC
 CGTCTGGGTGGGAGAGACTGTCCGGCGGCAAGCCAGGTCCCTCTTGTACCGTGCTGCTTTTGTGGG
 GAGAATCACCCGCGCCAGGGTGGCATCCTCTACTCTATGCTACCAACGCCAGGCAGCAAGCGTGGCGA
 CCCAGGCGCCGAGGGCACGATTCGGAGCACCTTGTGGGGCTGCGCCTGCGGCAGCGCAGAGCCCCTGGT
 GGGCAGAGAGGGGCTGCCGGTGGCCAGGCCCTCGCTCCTGTACCGTGCTGCTTCTGCGGAGAAGAG
 CACCCGAGGCAGGCAGCATCTTATACAGTTGCTCACTAGCGCTCAGCAAACGCACGTGTCTCGGGAAG
 CACCCGAGGCACATCGCAGAGGCGAGTGGTGGCAGCTGTCTACTGTACCCAGAGTGTGGTGGCCAGA
 GGGGCTGCAGAGCACACAGGCCATGGCGTTCCTGTACCGCAGCTATGTGTGCGGTGAAGAGCAGCCCAG
 CAGATCAGCGTTGCCCTTGGCACGCCCTGAGCGCAGACCAAACACCAGCGACCCCGCAAGAGCAGCCGA
 GGGCTCCCTGGTGGGACGCCTCACCTGGTGTGCAGCGTCTGATCACACTCAAGGATCCACAGGTGGTGTG
 CGAGGCAGCGTCCGCTGGCTGTTGAAGACCCTGCGCTTTGTCAAGTACTTGCCTGCTTCCAGATCCTG
 CCCCTAGATCAGCAGCTGGTGTGGTGGGAGCTGTTGGGCGCCCTACTCATGCTTGAGTTGGCCCAAG
 ATCACCTGCACCTCGAGATGATGGAGATCCCGGAGACCAACACGACGCAGGAAATGCTTACCACCAGGCG
 GCAGGAGACCGAAGGTCCAGAGCCTGCAGAGCCCCAGGCCACAGAGCAGCCACAGATGGTGTCCGCGGAG
 GCTGGGCACTTGTCCCAGCTGTGCGGTCCAGGCCATCAAGAGTTTCTTTTCAAGTGTGGAGTCTGA
 ACATTGACACCAAAGAGTATGCCTATCTGAAAGGGACCGTCTCTTAAACCAGACCTGCCTGGCCTGCA
 GTGCGTGAATAACATTGAGGGTCTTCAGTGGAGAACCCAGCAGATCCTTACTGAGCACATCCGGATGATG
 CAGAGAGAGTACCAGATCAGATCCGCTGAAGTGAACAGTGCCTTTTCTGCTGAGATTCATCAATAGCG
 ATGTCGCTCACTGAACCTTTTTCAGGCCATCATTGGTGCAGTCAGCATGGATGATATGATGCTGGAGAT
 GCTCTGTGCAAAGCTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224919 representing NM_007430
 Red=Cloning site Green=Tags(s)

MAGEDHPWQGSILYNLLMSAKQKHASQEEREVRLGAQCWGCACGAQPVLGGERLGGQARSLLYRCCFCG
 ENHPRQGGILYSMLTNARQPSVATQAPRARFAGPCWGCACGSAEPLVGREPLPAGQAPSLLYRCCFCGEE
 HPRQGSILYSLLTSAQQTHVSREAPEAHRREGWWQLSYCTQSVGGPEGLQSTQAMAFLYRSYVCGEEQPQ
 QISVASGTPVSADQTPATPQEPRAPWWDASPGVQRLITLKDPPVCEAASAGLLKTLRFVKYLPFCFQIL
 PLDQQLVLRSCWAPLLMLELAQDHLHFEMMEIPETNTTQEMLTTRRQETEGPEPAEPQATEQPQMVAE
 AGHLLPAAAVQAIKSFFFKCWSLNIDTKEYAYLKGTVLFPNPLPGLQCVKYLEGLQWRTQQILTEHIRM
 QREYQIRSAELNSALFLLRFINSVVTLEFFRPIIGAVSMDDMMLEMLCAKL

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9035_e08.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_007430

ORF Size: 1416 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_007430.5](#)

RefSeq Size: 1794 bp

RefSeq ORF: 1419 bp

Locus ID: 11614

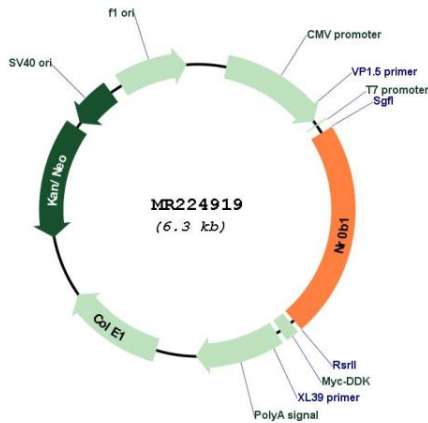
UniProt ID: [Q61066](#)

Cytogenetics: X 39.67 cM

MW: 53 kDa

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]

Product images:



Circular map for MR224919