

Product datasheet for **RG204187**

NR0B1 (NM_000475) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | NR0B1 (NM_000475) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | NR0B1 |
| Synonyms: | AHC; AHCH; AHX; DAX-1; DAX1; DSS; GTD; HHG; NROB1; SRXY2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG204187 representing NM_000475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGCGAGAACCACCACTGGCAGGGCAGCATCCTCTACAACATGCTTATGAGCGCGAAGCAAACGC
 GCGCGCTCCTGAGGCTCCAGAGACGCGCTGGTGGATCAGTGTGGGGCTGTTCTGCGCGCATGAGCC
 CGGGGTGGGCAGAGAGGGGCTGCTGGCGGGCGGAACGTGGCGCTCCTGTACCGTGCTGCTTTTTCGGT
 AAAGACCACCCACGGCAGGGCAGCATCCTCTACAGCATGCTGACGAGCGCAAAGCAAACGTACGCGGCAC
 CGAAGGCGCCGAGGCGACGCTGGTCCGTGCTGGGGCTGTTCTGCGGCTCTGATCCCGGGGTGGGCAG
 AGCGGGGCTTCCGGTGGCGGCCCGTGGCACTCCTGTACCGTGCTGCTTTTGTGGTGAAGACCACCCG
 CGGCAGGGCAGCATCCTCTACAGCTTGTCTACTAGCTCAAAGCAAACGCACGTGGCTCCGGCAGCGCCC
 AGGCACGCCAGGGGGCGCTGGTGGGACCGCTCTACTTCGCGCAGAGGCCAGGGGGTAAAGAGGGCT
 ACCAGGCGGGCGGCCACGGCGTCTGTACCGTGCTGCTTTTTCGGTGAAGACCACCCGAGCAGGGC
 AGCACCTCTACTGCGTGCACGAGCACAATCAAGCGCAGGGCGCTCCGGAGGAGCGGCCGAGGGCCC
 CCTGGTGGGACACCTCCTCTGGTGCCTGCGGCCGGTGGCGCTCAAGAGTCCACAGGTGGTCTGCGAGGC
 AGCCTCAGCGGGCCTGTTGAAGACGCTGCGCTTCGTCAAGTACTTGCCCTGCTTCCAGGTGCTGCCCTG
 GACCAGCAGTGGTGTGGTGCCTGCTGGGGCTCCCTGCTCATGCTTGAGCTGGCCAGGACCGCT
 TGCAGTTCGAGACTGTGGAAGTCTCGGAGCCCAGCATGCTGCAGAAGATCCTCACCACAGGCGGGGA
 GACCGGGGCAACGAGCCACTGCCCGTGCACGCTGCAGCACCATTTGGCACCAGCGGGCGGAGGCCAGG
 AAGGTGCCCTCCGCTCCAGGTCCAAGCCATCAAGTGTCTTTTCCAATGCTGGAGTCTGAACATCA
 GTACCAAGGAGTACGCTACCTCAAGGGGACCGTCTTTAACCCGGACGTGCCGGCTGCAGTGCCT
 GAAGTACATTGAGGACTCCAGTGGGAACTCAGCAAATACTCAGTGAACACACCAGGATGACGCACCAA
 GGGCCCATGACAGATTCATCGAACTTAATAGTACCCTTTTCTGCTGAGATTATCAATGCCAATGTCA
 TTGCTGAACTGTTCTTACGGCCATCATCGGCACAGTCAGCATGGATGATATGATGCTGAAATGCTCTG
 TACAAAGATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204187 representing NM_000475
 Red=Cloning site Green=Tags(s)

MAGENHQWQGSILYNMLMSAKQTRAAPEAPETRLVDQCWGCSCGDEPGVGRELLGGRNVALLYRCCFCG
 KDHPRQGSILYSMLTSAKQTYAAPKAPEATLGPCWGCSCGSDPGVGRAGLPGGRPVALLYRCCFCGEDHP
 RQGSILYSLLTSSKQTHVAPAAPEARPGGAWWDRSYFAQRPGGKEALPGGRATALLYRCCFCGEDHPQQG
 STLYCVPTSTNQQAAPPEERPRAPWWDTSAGALRPVALKSPQVVCEAASAGLLKTLRFVKYLPCFQVLP
 DQQLVLRNCWASLLMLELAQDRLQFETVEVSEPSMLQKILTRRRETGGNEPLPVPTLQHHLAPPAEAR
 KVPASQVQAIKCFLSKCSLNIISTKEYAYLKGTVLFNPDVPLQCVKYIQGLQWGTQQILSEHTRMTHQ
 GPHDRFIELNSTLFLRRFINANVIAELFFRPIIGTVSMDDMMLEMLCTKI

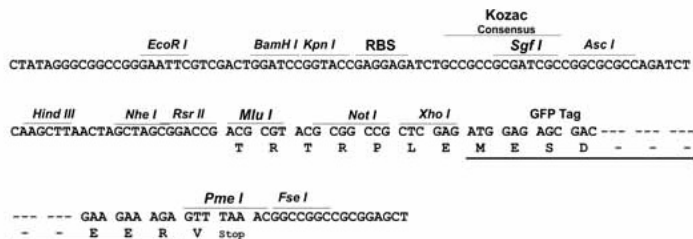
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_000475

ORF Size: 1410 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_000475.5](#)
RefSeq Size: 1555 bp

RefSeq ORF: 1413 bp

Locus ID: 190

UniProt ID: [P51843](#)

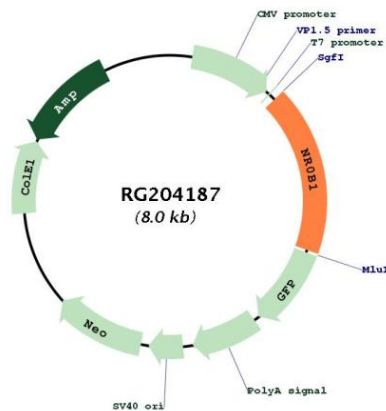
Cytogenetics: Xp21.2

Domains: HOLI

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Gene Summary: This gene encodes a protein that contains a DNA-binding domain. The encoded protein acts as a dominant-negative regulator of transcription which is mediated by the retinoic acid receptor. This protein also functions as an anti-testis gene by acting antagonistically to Sry. Mutations in this gene result in both X-linked congenital adrenal hypoplasia and hypogonadotropic hypogonadism. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204187