

## Product datasheet for **MC222457**

### Ar (NM\_013476) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ar (NM_013476) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ar
Synonyms:	AW320017; Tfm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC222457 representing NM_013476 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

AG**CGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1303\\_c01.zip](https://cdn.origene.com/chromatograms/ja1303_c01.zip)

Restriction Sites: SgfI-RsrII

ACCN: NM\_013476

Insert Size: 2700 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\\_013476.3](#), [NP\\_038504.1](#)

**RefSeq Size:** 2999 bp

**RefSeq ORF:** 2700 bp

**Locus ID:** 11835

**UniProt ID:** [P19091](#)

**Cytogenetics:** X 42.82 cM

**Gene Summary:** This gene encodes a nuclear hormone receptor containing zinc finger and DNA-binding domains. The encoded protein is a key regulator of signalling by androgens, a class of steroid hormones involved in male reproductive development. The protein responds to hormone signalling by translocating to the nucleus, forming dimers, and binding to androgen response elements (AREs) in the promoters of target genes, which are subsequently transcriptionally activated. Activity of this protein is negatively regulated by nuclear receptor subfamily 0 group B member 1 (Nr0b1, also known as Dax1). Mutations in this gene result in feminized genitals and infertility in male animals. Loss of function in female animals also causes problems in reproductive development and function. [provided by RefSeq, May 2015]