

## Product datasheet for **RR202243**

### Ahr (NM\_013149) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ahr (NM_013149) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ahr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RR202243 representing NM\_013149  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCAGCGCGCCAACATCACCTATGCCAGCCGAAGCGGCGCAAGCCGGTGCAGAAAACAGTAAAGC  
 CCGTCCCTGCTGAAGGAATTAAGTCAAACCTTCTAAACGACACAGAGACCGGCTGAACACAGAGTTAGA  
 CCGCCTGGCTAGCCTGCTGCCCTTCCCACAAGATGTTATTAATAAGCTGGACAACTCTCCGTTCTAAGG  
 CTCAGCGTCACGTACCTGAGGGCCAAGAGCTTCTTTGATGTTGCATTAATAATCCACCCCGGCTGACAGAA  
 GTAGAGGCCAGGACCAGTGTAGAGCACAAGTCAGAGACTGGCAGGACTTGAAGAAGGAGAGTTCTTGTT  
 ACAGGGCGTGAATGGCTTTGTTCTGTTGTACGGCAGATGCCTTGGTCTTCTATGCGTCTTCCACTATC  
 CAAGATTACCTGGGCTTTCAGCAATCTGATGTCATACATCAGAGCGTGTATGAGCTTATCCATACAGAAG  
 ACCGAGCTGAGTTCAGCGCCAGCTTCACTGGGCTCTAAACCCCTCACAGTGCACAGACTCTGCACAAGG  
 AGTAGACGAGACTCATGGCTCCACAGCCAGCGGTCTACTACAGCCAGACCAGCTTCCCTCAGAGAAT  
 ACCGCTTTCATGGAGAGGTGCTTCAGATGCCGGCTGAGGTGCCTGCTGGATAATTCATCTGGTTTCTCGG  
 CAATGAATTTCCAAGGGAGGTTAAAGTATCTTCATGGACAGAACAAGAAAGGGAAAGACGGAGCGCTACT  
 CCCTCCACAGTTGGCTTTGTTTGAATAGTACTCCACTTCAGCCACCGTCCATCCTGGAATTCGAACC  
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 ACGTGAACCTTACTCTCTGGAGGCCCTCGGAGCTTCCCAGATAATAAAAAAATGACTTGTATAG  
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 GACTCCTCCGGTGTGAGTTGACTTCAAAGACATCGACATAACAGACGAAATCCTGACGTACGTGCAGGATT  
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 AGCCTACTCGGCAGACTTGTAGCAGCATTGGCCACCTTCAGACTGCTGCTCACCTCCCTCGCTGGCAGAA  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR202243 representing NM\_013149  
Red=Cloning site Green=Tags(s)

MSSGANITYASRKRKPVQKTKVPVPAEGIKSNPSKRHRDRLNTELDRLASLLPFPQDVINKLKDLSVLR  
LSVTYLRAKSFFDVALKSTPADRSRGDQCRAQVRDWQDLQEGEFLLQALNGFVLVVTADALVFYASSTI  
QDYLGQQSDVIHQSVYELIHTEDRAEFQRQLHWALNPSQCTDSAQGVDETHGLPQPAVYYTPDQLPPEN  
TAFMERCFCRLRCLLDNSSGFLAMNFQGRLLKYLHGQNKKGKDGALLPPQLALFAIATPLQPPSILEIRT  
KNFIFRTKHKLDFTPIGCDKAGQLILGYTEVELCNKGSYQFIHAADMLHCAESHIRMIKTGESGMTVFR  
LLAKHSRWRWVQSNARLIYRNGRPDYIIATQRPLTDEEGREHLQKRSMPLPFMFATGEAVLYEISSPFS  
IMDPLPIRTKSNTSRKDWAPQSTPSKDSFHPNSLMSALIQQDESIYLCPPSSPAPLDSHFLMDSMSECGS  
WQGSF AVASNEALLKHEEIRHTQDVNLTLSGGPSELFPDNKNDLYSIMRNLGIDFEDIRSMQNEEFFRT  
DSSGEVDFKIDITDEILTYVQDSLNNSTLLNSACQQQPVSQHLSCMLQERLQLEQQQLQQQHPTQTL  
PQRQLCQVEVPQHELQKTKHMVNGMFVSWNPAPPVSFSCPQKERKHICLLSGLQGTAEFFPYKSEVDS  
MPYTQNFAPCNQSLLEHSGKTQLDFPGRDFERSLHPNVSNLEEFVSCLQVPENQRHGINSQSAMVSPQG  
YYAGAMSYQCQAGPQDTPVDQMYSPEIPGSQAFLSKFQSPSILNEAYSADLSSIGHLQTAHLPRLAE  
AQPLPDITPSGFL

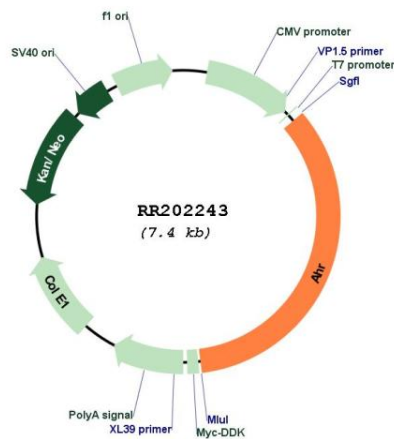
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2546\\_g05.zip](https://cdn.origene.com/chromatograms/ja2546_g05.zip)

**Restriction Sites:** SgfI-MluI



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_013149.2</a></u> , <u><a href="#">NP_037281.2</a></u>
<b>RefSeq Size:</b>	2574 bp
<b>RefSeq ORF:</b>	2562 bp
<b>Locus ID:</b>	25690
<b>Cytogenetics:</b>	6q16
<b>MW:</b>	96.7 kDa
<b>Gene Summary:</b>	binds 3-methylcholanthrene and other aromatic hydrocarbons; may play a role in bone formation [RGD, Feb 2006]

**Product images:**


Circular map for RR202243