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Product datasheet for MC220561

Ahrr (NM_009644) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ahrr (NM_009644) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ahrr
Synonyms:	mKIAA1234
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC220561 representing NM_009644
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGATTCCGTCTGGAGAGTGTACATACGCCGGTAGGAAGAGAAGGAAGCCCATTCAGAAGCGGAGGC
TTACCATGGGAGCTGAGAAATCAAATCCTTCCAAACGGCACCGGGACCGCCTCAATACAGAGCTGGACCA
CCTGGCCAGCCTGCTGCCATTTTCACCTGATATCATCTCCAAGCTGGACAAGCTTTCTGTCCTGCGCCTC
AGCGTTAGCTACCTCAGGGTAAAGAGCTTCTTCCAAGCCTTGCAGGAGACATGTGTATGGTCAGCTCCAG
CCCTGTCACCTGAAGAACACTCATACAGAGGGTTCCCCGTGCAGGAAGGACGGCTGCTGCTGGAGTCTCT
CAATGGCTTCGCTCTGGTGGTGAGTGCCGAAGGGATGATCTTTTATGCATCGGCAACAATTGTGGACTAT
CTGGGCTTTCATCAGACAGATGTCATGCATCAAAACATTTATGACTACATCCATGTGGATGACCGGCAGG
ACTTCTGCAGACAGCTACACTGGGCCATGGACCCTCCTCAGGTGGTGTTTGGGCAGTCCCCACATGCTGA
CACAGACAATACTGTCCTGGGGAAGCTGCTCAGGGCCCAAGAAGGAGGCAAGGGCTTGCCCTCAGAGTAC
TCGGCCTTCTTGACACGCTGCTTCATTTGTCGTGTTCGCTGCCTGCTGGACAGCACCTCTGGCTTTCTGA
CCATGCAGTTCCAAGGAAAACTAAAATTCCTGTTTGGACAGAAGAAGAAGACACCATCAGGAACAGCCCT
GCCTCCTCGACTCTCATTGTTCTGCATTGTGGCACCAGTCTTGCCTTCTGTAACTGAGATGAAAATGAAA
AGCACATTCTTGAAGGCAAAGCACAGGGCAGACATTGTGGTTACGATGGACTCAAGGGCAAAAGCTGTTA
CAAGTCTATGTGAATCAGAATTGCATCCCAAACTCAATTACTTAGCAGGAAAGAGCAATGGAGAAAATGG
CATTTCACTGTTCAGGGGACAAACAGATAGGAGCCACTGGGCCCGGGCTCTAGCCAGATCTTCATGTCTG
TGCCTCAGGGGTGGTCCTGACCTGCTGGACCCCAAGGGGACTTCAGGGGACAGAGAAGAGGAGGACCAGA
AGCACATACTAAGGAGATCCCCTGGTGCCTGGGGGCAGAGGGAGATGCACAAGTACAGTTATGGTTTGGA
GACACCAGTACACTTGAGGCACCTGAACTGGAGCACAGAACAGCGAAGTCAGGAGAGCACTACCAAGCTG
ACTCGGCAGCCCAGTAAGAATGAGCCATCCACGTGTCTGGTGCCCCATGGTTCCTGTGTGCCCTACCCTG
GAAGCCAGGGCATGCTTAGTGCCAGCAACATGGCTTCTTTTAGAGATTCACTAGACCATCCCACTGGTGC
CTACTGCAGTCAGATGAACAGACCCTTGTCGGATATCCACCAGGGCCAGGTGGATCCTTCCACCTGCCAT
ATCTCCCAGGGCAGTCTGGGATCTAGGATCCCTCTGACTGGAATGCAGCGCTTCACAGCTCGGGGATTTT
CTACAGAGGATGCAAAATTACCCAGCCTGCCAGTGACCATAGGCACTCCATGCAACCCAGTATTGTCACT
GGATGTGCCAATCAAGATGGAGAATGAATCTGGGTCCCAGGATATAGTTGAAGCTAGCACAACTAGCTGT
TTGTGGCTGGGAACCAGCGACATGGCCAGAGGACATCTGGTTGGTTTCCCTGCCAGGATGCACCTGAAAA
CAGAGCCCGACTATAGGCAGCAGGCCTGTACCCCACACCTTGGTCATGGTATGCTGGGAACTAATCCCTA
CAGCAGAGATACTGTTGGATCCTGTAGGGAGCATGCTCCTCTTTACTCTGCACATTGCACCTGCCTGGAT
CCAGAGCCTCCTCATCACTTCTTCATGTGTAGCCACAGTGAGAGCCAGCACCCCTCATTGGACCAAGACT
GCAGAGCTCCTATTGTTAAGCGTGAGCCTCTGGACTCACCATCATGGGCTGCTCCTGGTCAGGTGACTGT
GCCCAGGATGTTCCCTAAGAGTGCCTCTAAAACTGTGATCCCATCCAAAGGCTCTGATGGAATTTTCCTA
CCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009644

Insert Size: 2106 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_009644.3, NP_033774.1
RefSeq Size:	4754 bp
RefSeq ORF:	2106 bp
Locus ID:	11624
UniProt ID:	Q3U1U7
Cytogenetics:	13 C1
Gene Summary:	This gene encodes a protein that represses aryl hydrocarbon receptor-dependent signaling. The encoded protein competes with the aryl hydrocarbon receptor transcription factor for heterodimerization with the aryl hydrocarbon receptor nuclear translocator protein and binding to xenobiotic response element (XRE) sequence in many genes. This protein is implicated in the regulation of cell growth and differentiation as well as mediating dioxin toxicity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2015] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).