

Product datasheet for **SC331795**

AHRR (NM_001242412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHRR (NM_001242412) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHRR
Synonyms:	AHH; AHHR; bHLHe77
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331795 representing NM_001242412.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGAGGACGATGATCCC GCCGGGGAGTGCACGTACGCGGGCCGGAAGCGGAGGAGGCCCTGCAG
AAACAGAGGCCCGCGTGGGGCAGAGAAGTCCAACCCCTCCAAGCGACACCGGGACCGCCTCAACGCC
GAGTTGGACCACCTGGCCAGCCTGCTGCCGTTCCCGCTGACATCATCTCAAGCTGGACAAGCTTTCT
GTCCTGCGCCTCAGTGTACGTTACCTCCGGTGAAGAGCTTCTTCCAAGTCGTGCAGGAGCAGACTCA
CGCAGCCTGCGGCCGGGCCCCCTCGCCGGAGACAGCTGTCTTGCAGGGTCTGCCGTGCTGGAG
GGAAGGCTGCTGTTGGAGTCTCTTAATGGCTTTGCTCTGGTCGTGAGTGCAGAAGGGACGATATTTAT
GCATCAGCAACGATCGTGGACTATCTGGCTTCCATCAGACGGATGTAATGCACCAGAACATTTATGAC
TACATCCACGTGGACGACCGCCAGGACTTCTGCCGGCAGCTCCACTGGGCCATGGACCCTCCCAGGTG
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CAGAAGAAGAAGCGCCGTGAGGACCATGCTCCCGCCGGGCTGTCGCTTTCTGCATTGCGGCACCC
GTTCTCTCCCTCCGCAGCGGAGATGAAAATGAGGAGCGCGCTCTGAGGGCAAACCCAGAGCAGAC
ACCGCAGCCACCGCGGATGCAAAAGTAAAAGCCACCACAGTCTGTGCGAATCGGAACTGCATGGAAAA
CCCAATTA CT CAGCAGGAAGGAGCAGCAGAGAGAGCGGCTTTTGGTGCTCAGGGAACAGACTGACGCT
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ACGCTGCTGTAGATGTGTCCATCAAGATGGAGAAGGACTCTGGGTGTGAGGGTGTGCAGACGGCTGT
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CTGAAAACAGAGCCAGACTCTCGGCAACAGGTGTACATCTGCACCTGGGGCACGGCGTGGGGGGGCT
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TGCTGGAGCCCACAGACGGCCTTCCCCAGTCGGAGCCTCCCACCAGCTCTGTGCACGGGGCCGAGGT
GAACAGTCTGCACCTGCAGAGCTGCTGAGGCCGCCCTGTGGTCAAGCGGGAGCCCTTGACTACCC
CAGTGGGCTACTCACAGCCAGGGAATGGTGCCCGGATGTTGCCAAAAGTGCCTTGCCACGCTGGTC
CCGCCCAAGCTTCGGGGTGACATTCTGCCA TAG
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001242412

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:	<ol style="list-style-type: none">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_001242412.1
RefSeq Size:	5622 bp
RefSeq ORF:	2106 bp
Locus ID:	57491
UniProt ID:	A9YTQ3
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome, Transcription Factors
MW:	76.3 kDa
Gene Summary:	<p>The protein encoded by this gene participates in the aryl hydrocarbon receptor (AhR) signaling cascade, which mediates dioxin toxicity, and is involved in regulation of cell growth and differentiation. It functions as a feedback modulator by repressing AhR-dependent gene expression. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (2, also known as AHRRdelta8) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2) missing an 18 aa internal protein segment compared to isoform 1. PMID:19380484 reports that this isoform is the predominant form expressed in human tissues and cell lines, and is more active than the longer isoform.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>