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Product datasheet for RC209832L4V

Aryl hydrocarbon Receptor (AHR) (NM_001621) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aryl hydrocarbon Receptor (AHR) (NM_001621) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Aryl hydrocarbon Receptor
Synonyms:	bHLHe76; RP85
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001621
ORF Size:	2544 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209832).`
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.
RefSeq:	NM_001621.2
RefSeq Size:	6247 bp
RefSeq ORF:	2547 bp
Locus ID:	196
UniProt ID:	P35869
Cytogenetics:	7p21.1
Domains:	PAS, HLH, PAC
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

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MW: 96.1 kDa

Gene Summary: The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm; upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes. [provided by RefSeq, Sep 2015]