Product datasheet for MR227590L4V

Ahr (NM_013464) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ahr (NM_013464) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ahr
Synonyms:	A; Ah; Ahh; Ahre; bHLHe7; bHLHe76; In
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013464
ORF Size:	2415 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227590).
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_013464.4, NP_038492.1
RefSeq Size:	5494 bp
RefSeq ORF:	2418 bp
Locus ID:	11622
UniProt ID:	P30561
Cytogenetics:	12 15.78 cM

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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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]