

Product datasheet for **RR207258L4V**

Ahrr (NM_001024285) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ahrr (NM_001024285) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Ahrr
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001024285
ORF Size:	2103 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR207258).
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_001024285.1 , NP_001019456.1
RefSeq Size:	4694 bp
RefSeq ORF:	2106 bp
Locus ID:	498999
UniProt ID:	Q75NT5
Cytogenetics:	1p11



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Gene Summary:

Mediates dioxin toxicity and is involved in regulation of cell growth and differentiation. Represses the transcription activity of AHR by competing with this transcription factor for heterodimer formation with the ARNT and subsequently binding to the xenobiotic response element (XRE) sequence present in the promoter regulatory region of variety of genes. Represses CYP1A1 by binding the XRE sequence and recruiting ANKRA2, HDAC4 and/or HDAC5. Autoregulates its expression by associating with its own XRE site.[UniProtKB/Swiss-Prot Function]