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Product datasheet for RC219135L2V

AATK (NM_001080395) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AATK (NM_001080395) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AATK
Synonyms:	AATYK; AATYK1; LMR1; LMTK1; p35BP; PPP1R77
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001080395
ORF Size:	4203 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219135).
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001080395.1, NP_001073864.1
RefSeq Size:	5843 bp
RefSeq ORF:	4125 bp

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Locus ID:	9625
UniProt ID:	Q6ZMQ8
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	148.28 kDa
Gene Summary:	The protein encoded by this gene contains a tyrosine kinase domain at the N-terminus and a proline-rich domain at the C-terminus. This gene is induced during apoptosis, and expression of this gene may be a necessary pre-requisite for the induction of growth arrest and/or apoptosis of myeloid precursor cells. This gene has been shown to produce neuronal differentiation in a neuroblastoma cell line. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]