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Product datasheet for RC208519L3V

Atrophin 1 (ATN1) (NM_001940) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Atrophin 1 (ATN1) (NM_001940) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Atrophin 1
Synonyms:	B37; CHEDDA; D12S755E; DRPLA; HRS; NOD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001940
ORF Size:	3573 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC208519).`
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_001940.3, NP_001931.2
RefSeq Size:	4360 bp
RefSeq ORF:	3573 bp
Locus ID:	1822
UniProt ID:	P54259
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome
MW:	125.5 kDa

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Gene Summary: Dentatorubral pallidoluysian atrophy (DRPLA) is a rare neurodegenerative disorder characterized by cerebellar ataxia, myoclonic epilepsy, choreoathetosis, and dementia. The disorder is related to the expansion from 7-35 copies to 49-93 copies of a trinucleotide repeat (CAG/CAA) within this gene. The encoded protein includes a serine repeat and a region of alternating acidic and basic amino acids, as well as the variable glutamine repeat. Alternative splicing results in two transcripts variants that encode the same protein. [provided by RefSeq, Jul 2016]