

Product datasheet for RC208519

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

Product data:

Product Type:	Expression Plasmids
Product Name:	Atrophin 1 (ATN1) (NM_001940) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atrophin 1
Synonyms:	B37; CHEDDA; D12S755E; DRPLA; HRS; NOD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208519 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC208519 protein sequence
 Red=Cloning site Green=Tags(s)

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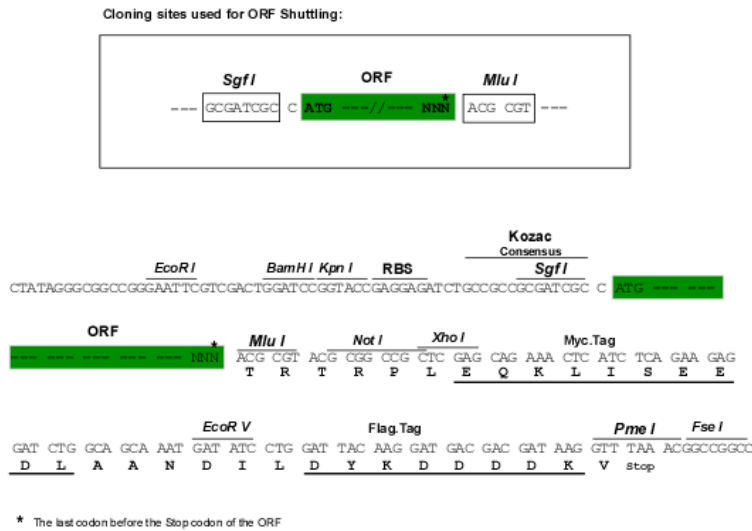
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Chromatograms: https://cdn.origene.com/chromatograms/mk6790_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

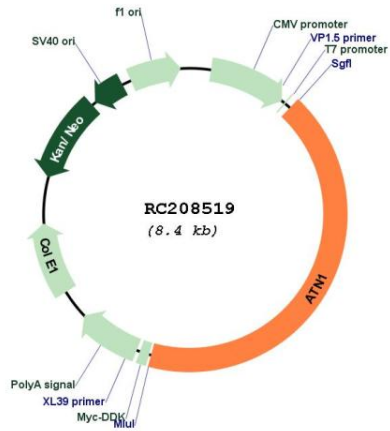


ACCN: NM_001940

ORF Size: 3573 bp

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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
Gene Summary:	Dentatorubral pallidolusian 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]

Product images:



Circular map for RC208519