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Product datasheet for RN209486

Atrn (NM_031351) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atrn (NM_031351) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atrn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209486 representing NM_031351 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGGCGGCGGCGGCGGCGGCGGAGGCGACTGAGGCGCGGTTGAGGGGGTACACGACGGCGACAGCAG CGCCCGCGGGCTGGAAGGAGAGGCAGCACCGACCCTGCGCCGCGACAGGGGCCTGGAGGCCGTGGCCGCG CGCCGGGCTGTGTCTCCCGCGGGTGCTGTCGCGGGCGCTATCCCCGCCGCCGCTGCTGCCGCTGCTGCCG CTGCTCTTTTCGCTATTGCTGCTGCCACTGCCCCGGGAGGCCGAGGCCGCTGCGGTGGCGGCGGCTGTGT CAGGCTCGGCCGCAGCTGAGGCCAAGGAATGTGACCGGCCGTGTGTCAACGGCGGCCGCTGCAACCCTGG CACCGGCCAGTGCGTCTGCCCCACGGGCTGGGTGGGCGAGCAATGCCAGCACTGCGGGGGCCGCTTCAGA CTAACTGGATCTTCTGGATTTGTAACAGATGGACCTGGGAATTATAAATATAAAACGAAATGCACATGGC TCATTGAAGGACAGCCAAATAAGATAATGAGACTTCGATTCAACCATTTTGCTACTGAATGTAGCTGGGA CCATTTATATGTTTATGATGGGGACTCAATTTACGCACCTCTGATTGCTGCCTTTAGTGGCCTCATTGTT CCTGAAAGAGATGGCAATGAGACGGCCCCTGAAGTCACTGTCACTTCAGGTTATGCACTACTGCATTTTT TCAGTGATGCTGCTTATAATCTGACTGGATTTAATATCACTTACAATTTTGACATGTGCCCGAATAATTG CTCAGGCCGAGGAGAATGTAAGAGCAGTAACAGCAGCAGCACTGTTGAGTGTGAATGTTCTGAAAACTGG AAAGGGGAGTCCTGTGACATTCCTCACTGTACAGACAACTGTGGCTTTCCTCACCGAGGCATCTGTAACG CAAGTGACACCAGAGGGTGCTCCTGCTTCCCTCACTGGCAGGGTCCTGGATGTTCAATTCCTGTGCCAGC TAACCAGTCTTTTTGGACTCGAGAAGAATATTCTGACTTAAAGCTTCCCAGAGCCTCTCATAAAGCTGTG GTCAATGGAAATATAATGTGGGTTGTTGGCGGGTATATGTTCAACCATTCAGATTACAGCATGGTTTTAG CGTATGACCTGGCTTCTAGGGAATGGCTTTCACTAAACCATTCTGTGAACAGTGTGGTTGTAAGATATGG TCATTCTTTGGCATTACATAAGGATAAAATCTACATGTATGGAGGAAAAATTGATTCAACAGGGAATGTG ACCAACGAGCTGAGAGTATTTCATATTCATAATGAATCATGGGTATTGTTAACCCCCAAAGCTAAGGATC AGTATGCAGTGGTTGGACACTCAGCACACATTGTTACACTGTCATCTGGCCGTGTGGTCATGTTGGTCAT CTTCGGTCATTGTCCGCTCTACGGATATATAAGTGTTGTGCAGGAATATGACTTGGAAAAGAACACATGG AGTATATTACAAACTCAAGGTGCTCTAGTGCAAGGGGGTTATGGCCACAGCAGTGTTTATGATCACAGGA CCAAGGCTCTGTATGTTCATGGTGGCTACAAGGCTTTCAGCGCCAACAAGTACCGGCTTGCAGATGACCT

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CTACAGATACCATGTGGACACTCAGATGTGGACCATTCTTAAGGACAGCCGATTTTTCCGTTACTTGCAT
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CCCCTGCACAGCCTGGAACCTGCATTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031351

Insert Size: 4299 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	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.
RefSeq:	NM_031351.1, NP_112641.1
RefSeq Size:	8739 bp
RefSeq ORF:	4299 bp
Locus ID:	83526
UniProt ID:	Q99J86
Cytogenetics:	3q36
Gene Summary:	gene with an important role in enhancing cell survival against oxidative stress in the brain; mutations in gene result in the zwitter (zi) rat phenotype and the myelin vacuolation (mv) rat phenotype [RGD, Feb 2006]