

Product datasheet for **RR207269**

Aptx (NM_148889) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aptx (NM_148889) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aptx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207269 representing NM_148889 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCGGGTGTGCTGGTTGGTGAGACAGGACTGCTGGCACCAGCGAATCAAACCTCCCATTTAGAAGCTG
TTGTGATTGGTCAAGCCCGGAGACCAAGATCACAGATAAGAAATGTTCCCGACAGCAAGTACAGTTGAA
AGCGGAGTGTAACAAGAGATATGTCAACGTTAAGCAGATGGGGTCAATCCCACCAGATTGACGAAGTC
GTCATTGGGAAGGACCGGGAGATGAAGCTGCTGCCTGGTCAGTTCTCCACATGGTGAATGAACTTTATC
CATACTGGTGGAGTTTGAAGAGGTGGCAGAGAGCCCTAACGTAACACAGAGGAAGAGAAAGAGGCCAGA
CTGTGATAGTCAGGAGATGGAAGCTGAGGCTGGGGCCAGCCCAGCCAGTGTCTGTGTCCCTAAGACG
GGCAAGCATGGAGCCGCCAAGGAGGAATCACTGGGCCACTGGAGTCAAGGCTTGAAGATATCTATGAAAG
ACCCAAAATGCAGGTTTATAAGGATGATCAGGTGGTGGTGATTAAGGATAAATACCCCAAGGCCCGCA
CCACTGGCTGGTCTTACCATGGCCTCCATTTCCAGTCTGAAGGTTGTGACCAGTGAACACCTCGAACTT
CTCAAACACATGCACGCAGTAGGGGAAAAGGTGATAGCAGATTTTACTGGATCCAGCAAACCTGCGCTTC
GACTGGGTTACCATGCCATTCCCAGCATGAGCCATGTACATCTTCATGTGATCAGCCAGGATTTTGATTC
TCCTTGCCTTAAAAACAAAAGCATTGGAATCTTTCAATACAGAATATTTCTGGAGTCACAAGCTGTG
ATCAAGATGGTTCAGGAAGCTGGCAGAGTGACTGTTAAAGATGGGACTTGCGAACTCTTGAAGCTGCCTC
TCCGTTGCCATGAGTGTGAGCAGCTGCTGCCTCCATCCCACAGCTGAAGGAGCACCTCAGGAAGCACTG
GGCGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR207269 representing NM_148889
 Red=Cloning site Green=Tags(s)

MRVCWLVRQDCWHQRIKLPHEAVVIGRSPETKITDKKCSRQQVQLKAECNKRYVNVKQMGVNPTSIDEV
 VIGKDREMKLLPGQVLHMVNELYPYMFEEVAESPNVTQRKRKRPDCDSQEMEAEGASPSQCSVSPKT
 GKHGAAKEESLGHSQGLKISMKDPKMQVYKDDQVVVIKDKYKARHHLVLPWASISSLKVVSTSEHLEL
 LKHMHAVGEKVIADFTGSSKLRFLGYHAIPSMHSHVHLHVISQDFDSPCLKNKKHWSFNTEYFLESQAV
 IKMVQEAGRVTVKDGTCELLKPLRCHECQQLLPSIPQLKEHLRKHGG

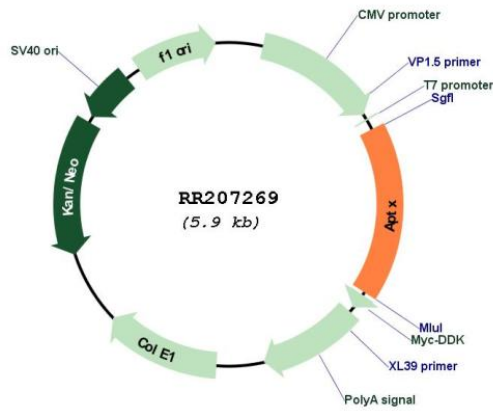
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_148889

ORF Size:	987 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.
RefSeq:	NM_148889.2 , NP_683687.1
RefSeq Size:	1439 bp
RefSeq ORF:	990 bp
Locus ID:	259271
UniProt ID:	Q8K4H4
Cytogenetics:	5q22
MW:	37.7 kDa
Gene Summary:	human homolog may play a role in DNA repair [RGD, Feb 2006]