

Product datasheet for **RR211762**

Nt5c1a (NM_001107976) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nt5c1a (NM_001107976) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nt5c1a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211762 representing NM_001107976
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCAAGGCAGCCCCGGAGGCCGAGAACCCGGACCAGGGGCAGAGACCGCCGGTGGCCGCCT
GGGAGGAAGCCAAGACGTTCTATGACAATCTCTCGCCCAAGAAGAAACCCAAATCGCCAAAGCCTCAGAA
TGCGGTACCATCGCAGTGTCTCCAGAGCCTTGTCCGAATGGATGAGGAACAGAGGATCTACACGGAG
CAGGGTGTAGAGGAGTACGTACGATACCAGCTGGAGCACGAGAACGAGCCCTTCAGCCCTGGGCCCGCCT
TCCCTTTGTAAAGGCCCTGGAGGCTGTGAACAAGCAACTTCGAGAGCTGTACCCGATAGCGAAGATAT
CTTTGACATCGTCCTCATGACCAACAACCATGCTCAGGTGGGGTTCGTCTCATCAACAGTATCAACCAT
TACGACCTGTTTCATTGAGCGATTCTGCATGACAGGTGGGAATAGCCCATCTGCTACCTCAAGGCCTACC
ATACCAACCTCTACTTGTGAGCCGATGCAGAAAAAGTGCAGAGAAGCCATTGATGAGGGGATTGCAGCTGC
CACCATCTTCAGCCCTAGCAAGGATGTGGTCGTGCCAGAGTCAGCTCCGCGTGGCCTTCGATGGGGAC
GCAGTACTTTTCCGATGAGTCAGAGCGCATTGTCAAGGCCCATGGGCTGGACAGATTCTTTGAGCATG
AGAAGGCCACGAGAACAACCTTTGGCGCAGGGTCCCCTAAAGGGCTTCTGGAAGCACTAGGTAGGCT
GCAGAAGAAATCTACTCAAAGGCCTGCGGCTGGAGTGCCGATTCGTACTTACTTGGTGACAGCGCGC
AGCGCAGCCAGTTCTGGAGCCCGGGCCCTCAAGACCTACGTAGCTGGGGCTGGAGACGGATGAGGCCCT
TATTCCTAGCTGGAGCACCAAGGGCCCTCTTCTTGAGAAGATCCGCCACACATCTTCTTTGATGACCA
GATGTTTCACGTGGCCGGAGCTCAGGAGATGGGCACCGTGGCCGCCACGTGCCTTACGGCGTAGCTCAG
AATCCACGGAGGGAAAAGCAGTCCCTAGGCGCACAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211762 representing NM_001107976
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MEPRQPPEAREPGGAETA AAVPRWEEAKTFYDNLSPKKPKSPKPQNAVTIAVSSRALFRMDEEQRIYTE
 QGVVEYVRYQLEHENEPFSPGPAFPFVKALEAVNKQLRELYPDSDFDI VLMTNNHAQVGVRLINSINH
 YDLFIERFCMTGGNSPICYLKAYHTNL YLSADA EKVREAI DEGIAAATIFSPSKDVVVSQSQRVAFDGD
 AVLFSDSERIVKAHGLDRFFEHEKAHENKPLAQGPLKGFLEALGRLQKKFYSGLRLECPVRTYLVTAR
 SAASSGARALKTLRSWGLETDEALFLAGAPKGP LLEKIRPHIFFDDQMFHVAGA QEMGTVA AHVPYGVAQ
 NPRREKQSLGAQ

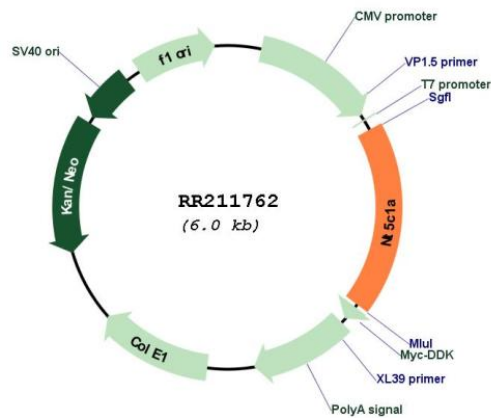
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107976

ORF Size:	1086 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_001107976.1 , NP_001101446.1
RefSeq Size:	1156 bp
RefSeq ORF:	1089 bp
Locus ID:	313574
Cytogenetics:	5q36
MW:	40.5 kDa