

## Product datasheet for **RR209759**

### **Nt5e (NM\_021576) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nt5e (NM_021576) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nt5e
Synonyms:	CD73; Nt5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR209759 representing NM\_021576  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGTCCCGCGGCTGCTACGGCACCCAAGTGGCTGCTTCTCGCGCTAAGCGCTCTACTACCACTGTGGC  
 CCACAGCCAAATCCTGGGAGCTCACGATCCTGCACACAAACGACGTGCACAGCCGGCTAGAGCAAACCAG  
 CGATGACTCCACCAAGTGCCTCAACGCAAGCCTGTGTGTGGCGCGCTGGCCCGGCTCTTACCAAGGTG  
 CAGCAGATCCGCAAGGAAGAACCAACGTACTGCTTTGGATGCTGGCGATCAGTACCAGGGCACCATCT  
 GGTTCACTGTTTACAAAGGCCTGGAAGTGGCACACTTCATGAACCTCCTGGGCTACGATGCCATGGCACT  
 GGGAAATCATGAATTTGATAACGGTGTGGAAGGACTGATTGATCCCTCCTCAGAAATGTCAAATTTCCA  
 ATTCTGAGTGAAATATTAAGGCCCGGGGCCACTAGCACCTCAGATATCCGGACTTTATTTGCCATATA  
 AAGTTCTCTGTGCGGTGGTGGATTGTGGGATTGTTGGATATACTTCAAAGGAAACCCCTTCTCTC  
 AAATCCAGGGACAAATTTAGTCTTCAAGATGAAGTCACTGCGTTGCAGCCTGAAGTGGATAAACTAAAA  
 ACTCTAAACGTGAACAAGATCATTGCCCTGGGACACTCTGGTTTCGAGATGGATAAACTCATTGCCCAGA  
 AGGTGAGAGGCGTGGACGTCGTGGTGGGAGGACACACCAACACCTTTCTCTACACAGGAAATCCACCTTC  
 CAAAGAAGTGCCTGCTGGGAAGTACCCATTATAGTCACTCTGACGATGGGCGAAAGGTTCCCGTGGTC  
 CAGGCCTATGCCTTTGGCAAATACCTGGGCTATCTGAAGTGTGAGTTTGTATGATAAAGGAAATGTTGTCA  
 CTTCTATGAAATCCCATTCTTCTGAACAGCACCATTCTGGAAGATGCAGCCATCAAAGCAGACATTA  
 CCAGTGGAGGATAAAATTAGATAATTATCTACACAGGAACTCGGAGAACCATCGTCTACCTGAATGGC  
 TCCGCTCAGGAGTGCCGCTTCAAGAGTGAACATGGGAAACCTGATCTGTGATGCCATGATTAACAACA  
 ACCTCAGACACCAGATGAAATGTTTTGGAACACCGTGCATGTGCATTGTAATGGAGGTGCCATCCG  
 GTCCCCATTGATGAGAGGAACAATGGTACCATCACCTGGGAGAACCTGGCTGCTGTGCTGCCCTTTGGA  
 GGGACATTTGACCTTGTCCAATTGAAAGGTCCACCCTGAAGAAGGCTTTTGGACACAGTGTGCATCGAT  
 ATGGCCAGTCCACAGGGAGTTCCTGCAAGTGGGTGGAATCCATGTTGTATGATATTTCCGAAAGCC  
 CTGGGACAGAGTGGTCCAATTAAGTTCTCTGCACCAAGTGTGAGTGGCCATCTATGAGCCTCTCGAA  
 ATGGATAAAGTGTATAAAGTGGTCTCCCAAGCTATCTGGTCAACGGTGGGGATGGATTCCAATGATAA  
 AAGATGAATTATTAACATGACTCTGGTACCAAGATATCAGTGTGTTTCTGAATACATCTCAAAAAT  
 GAAAGTAATTTACCCAGCAGTTGAAAGACGGATCAAGTTCTCTGCAGCAAGTCATTACCAAGGAAGCTTT  
 CCTTAATAATTCTTTCTTTGGCAGTGATCCTTGTGTTGTACCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209759 representing NM\_021576  
 Red=Cloning site Green=Tags(s)

MRPAAATAPKLLLLALSALLPLWPTAKSWELIILHTNDVHSRLEQTSDDSTKCLNASLCVGGVARLFTKV  
 QQIRKEEPNVLLLDAGDQYQGTIWFVYKGLEVAHFMMNLLGYDAMALGNHEFDNGVEGLIDPLLRNVKFP  
 ILSANIKARGPLAPQISGLYLPYKVLVSGGEVVGIVGYTSKETPFLSNPGTNLVFEDEVTAALQPEVDKLL  
 TLNVNKIIIALGHSGFEMDKLIAQKVRGVDVVVGHTNTFLYTGPNPSSKEVPAGKYPFIVTSDDGRKVPVV  
 QAYAFGKYLGYLKFVDDKGNVVTSYGNPILLNSTIREDAAIKADINQWRIKLDNYSTQELGRTIVYVNLG  
 SAQEFCRFECNMGNLICDAMINNLRHPDEMFWNHVSMCIVNNGGIRSPIDERNGTITWENLAAVLPFG  
 GTFDLVQLKGSTLKKAFEHSVHRYGQSTGEFLQVGGIHHVVDISRKPWDRVVQLKVLCTKCRVPIYEPL  
 MDKVYKVVLPYSLVNNGDGFQMIKDELLKHDSGDQDISVSEYISKMKVIYPAVEGRIKFSASHYQGSF  
 PLIILSFVAVILVLYQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

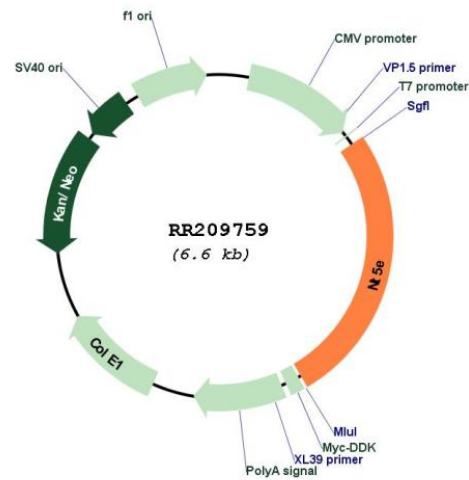
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_021576  
 ORF Size: 1728 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_021576.2</a> , <a href="#">NP_067587.2</a>
<b>RefSeq Size:</b>	2826 bp
<b>RefSeq ORF:</b>	1731 bp
<b>Locus ID:</b>	58813
<b>Cytogenetics:</b>	8q31
<b>MW:</b>	64 kDa
<b>Gene Summary:</b>	may hydrolyze extracellular nucleotides into membrane permeable nucleosides [RGD, Feb 2006]