

Product datasheet for **MC219176**

Nt5e (NM_011851) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5e (NM_011851) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nt5e
Synonyms:	5'-NT; 2210401F01Rik; AI447961; CD73; eNT; NT; Nt5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219176 representing NM_011851
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTCCCGCGCCGCTAAGGTACCCAAGTGGCTGCTTCTCGCACTGAGCGCTCTACTACCACAGTGGC
 CCGCAGCCAGTGCCTGGGAGCTCACGATCCTGCACACAAACGACGTGCACAGCCGGCTAGAGCAGACCAG
 CGATGACTCCACCAAGTGCCTCAACGCCAGCCTGTGTGTGGCGGCGTGGCCCGGCTCTTTACCAAGGTG
 CAGCAGATCCGCAAGGAAGAACCAACGTGCTGTTTTGGATGCCGAGACCAGTACCAGGGCACCATCT
 GGTTCCACGTTTACAAAGGCCTTGAAGTGGCACACTTTCATGAACATCCTGGGCTACGATGCTATGGCACT
 GGGAAATCATGAATTTGATAACGGTGTGGAAGGACTGATTGATCCCCTCCTCAGAAACGTTAAATTTCCA
 ATTCTGAGCGCAAACATTAAGGCACGGGGCCTCTAGCACATCAGATATCTGGACTTTTTCTGCCATCTA
 AAGTTCTCTCTGTTGGCGGTGAGGTTGTGGGGATTGTTGGATATACTTCAAAGGAAACCCCTTTCCTCTC
 AAATCCAGGGACAAATTTAGTCTTTGAAGATGAAATCTCTGCATTGCAGCCTGAAGTAGATAAACTAAAG
 ACGCTAAATGTGAATAAGATCATCGCCCTGGGGCACTCTGGTTTTGAGATGGACAAAATTCGCTCAGA
 AAGTTCGAGGTGTGGACATCGTGGTGGGAGGACTCCAACACCTTTCTCTACACAGGAAATCCACCTTC
 CAAAGAAGTGCCTGCGGGGAAGTACCCATTCATAGTCACCGCAGATGATGGACGGCAGGTGCCTGTGGTC
 CAGGCCTATGCCTTTGGCAAATACCTGGGCTACCTGAAGGTTGAGTTTGTATGATAAAGGCAATGTTATCA
 CTTCTATGGAAATCCCATTCTCTCAACAGCAGCATTCTGAAGATGCGACCATCAAAGCAGACATTA
 CCAATGGAGGATAAAATTAGATAATTATTCTACCCAGGAACTCGGAGAACGATCGTCTACCTGGATGGC
 TCCACTCAGACGTGCCGCTTCAAGGAATGCAACATGGGAAACCTGATCTGTGATGCCATGATTAACAACA
 ACCTCAGACACCCAGATGAAATGTTTTGGAACCACTGTCATGTGCATTGTAACGGAGGTGGCATCCG
 GTCCTCCATTGATGAGAAGAACAATGGTACCATCACCTGGGAGAACCTGGCTGCTGTGCTGCCCTTTGGA
 GGGACATTTGACCTCGTCCAATTAAGGGTCCACCCTGAAGAAGGCTTTTGGACACAGCGTGCATCGCT
 ATGGCCAGTCCACCGGAGAGTTCCTGCAAGTGGGTGGAATCCATGTGGTGTACGATATTAACCGAAAGCC
 CTGGAACAGAGTGGTCCAATTAGAAGTTCTCTGCACCAAGTGTGAGTGGCCATCTATGAGCCTCTTGAA
 ATGGATAAAGTGTATAAAGTGACCCTCCAAGCTATCTGGCCAACGGTGGAGATGGATTCCAGATGATAA
 AAGATGAATTACTAAAGCATGACTCTGGTATCAAGATATCAGCGTGGTTTCTGAATACATCTCAAAAAT
 GAAAGTAGTTTACCCAGCCGTTGAAGGGCGGATCAAGTTCTCTGCAGCAAGTCATTACCAGGAAGCTTT
 CCTTTAGTAATCTTTTCATTTTGGCAATGATCCTTATTTGTACCAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_011851
 Insert Size: 1731 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC119268](#), [AAI19269](#)

RefSeq Size: 2602 bp

RefSeq ORF: 1731 bp

Locus ID: 23959

UniProt ID: [Q61503](#)

Cytogenetics: 9 E3.1

Gene Summary: This gene encodes a membrane-bound nucleotidase that hydrolyzes extracellular nucleoside monophosphates. The encoded preproprotein undergoes proteolytic processing to generate to a functional, homodimeric enzyme that preferentially uses adenosine monophosphate as a substrate to generate free adenosine. Mice lacking the encoded protein exhibit a significantly reduced fall in stop flow pressure and superficial nephron glomerular filtration rate in response to a saturating increase of tubular perfusion flow. [provided by RefSeq, Sep 2016]