

Product datasheet for **MC202737**

Nt5c2 (NM_029810) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c2 (NM_029810) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nt5c2
Synonyms:	2010002I23Rik; cN-II; CnII; ENSMUSG00000025039; Gm9751; Gmp; Nt5b; Pnt5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC064760 sequence for NM_029810
 GTGCGGTGCGGCCGAATTCATCCTACAAATAAGATGACGACCTCCTGGAGTGACCGCTTACAGAATGCAG
 CAGATGTGCCTGCTAACATGGATAAGCATGCCTTGAAAAAGTACCGTCGAGAAGCCTATCACCGGTGTT
 TGTGAACCGAAGTTTAGCCATGGAAAAATAAAGTGTTTTGGTTTTGATATGGATTATACCTAGCCGTG
 TACAAGTCTCCAGAATATGAATCCCTTGGCTTTGAGCTTACTGTGGAGAGATTAGTTTCCATTGGCTATC
 CTCAGGAGCTGCTCAGCTTTGCATATGATTCTACATTCCCTACCAGAGGACTTGTCTTTGACACGCTCTA
 TGGAAATCTTTTAAAAGTCGATGCCTATGGAAACCTCTTGGTGTGTGCACATGGATTTAACTTCATAAGA
 GGACCAGAAACTAGAGAGCAGTATCCAAATAAATTTATCCAACGAGATGACACTGAACGGTTTTACATTC
 TGAACACACTATTCAATCTCCCAGAGACCTACCTGTTGGCCTGCCTCGTAGATTTTTTTACTAATTGTCC
 CAGATACACCAGTTGTGACACAGGATTTAAAGATGGGGACCTCTTCATGCTTACCGTAGCATGTTCCAG
 GACGTAAGAGACGCAGTGGACTGGGTCCATTACAAGGGCTCCCTTAAGGAGAAGACGGTTGAAAACTTG
 AGAAGTATGTCGTCAGGATGGCAAGTTGCCGTTGCTTCTGAGCCGAATGAAGGAAGTAGGGAAAGTGT
 TCTGGCTACTAACAGTGACTATAAGTACACAGATAAAATCATGACTTACCTGTTTGATTTCCCGCATGGC
 CCCAAGCCGGGAGCTCCACCGGCCGTGGCAGTCTACTTTGACCTGATTTTGGTGGATGCTCGGAAAC
 CACTCTTTTTTGGAGAAGGCACAGTGTGCGTCAGGTGGACACTAAAACGGAAAACGAAAATTGGCAC
 CTACACGGGCCCTGCAGCACGGCATTGTCTACTCAGGGGGTTCATCTGATACAATCTGTGACCTGTTG
 GGAGCTAAGGGCAAAGACATTTTGTATATTGGAGATCACATTTTGGAGACATTCTGAAGTCAAAGAAAC
 GGCAAGGGTGGAGGACTTTCTTGGTGATTCTGAGCTTGGCAGGAGCTCCACGTCTGGACGGACAAGAG
 TTCCTCTTTGAAGAACTTCAAAGCTTGGATATTTTCTTGGTGAACCTACAAGCACCTGGACAGCAGT
 AGCAATGAGCGCCCGACATTAGTTCCATCCAGAGACGGATTAAGAAAAGTAACTCATGACATGGACATGT
 GCTATGGGATGATGGGAAGCCTGTTCCGCAGCGGCTCCCGGCAGACACTTTTCCAGCCAAGTATGCGC
 CTATGCAGATCTCTATGCGGCCCTCGTTCATCAACCTGCTGTACTACCCATTACAGTACCTTTTCCAGAGCT
 GCCCATGTCCTGATGCCGCACGAGTCAACGGTGGAAACACACGCATGTGGATATCAATGAGATGGAGTCCC
 CTCTCGCCACCCGGAACCGCACGTCAGTGGATTTCAAAGACACTGACTATAAGCGACACCAGCTTACAAG
 GTCATTAGTGAGGTCAAGCCCCCGACCTTCTCCGCTGGCCCCCAGGAGATCACACACTGCCATGAT
 GAAGATGATGATGAAGAGGAAGAAGAGGAAGAATAGGAAGGCAGACTAGAAAACCGGAGCACCCATCAAGT
 CTGTCAGACTCACGGGTGAGGGTGGCCTGTTTGGATTCTGTTAGGGAGGGTGGGAGGACTCCATCAGA
 AGTCTGGAGAGTTTGGAAAGTTTCTCAAGGCTTTAAATAATTCTAATCATAAAAAAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI

ACCN: NM_029810

Insert Size: 1683 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: [BC064760](#), [AAH64760](#)

RefSeq Size: 1892 bp

RefSeq ORF: 1683 bp

Locus ID: 76952

UniProt ID: [Q3V1L4](#)

Cytogenetics: 19 C3

Gene Summary: May have a critical role in the maintenance of a constant composition of intracellular purine/pyrimidine nucleotides in cooperation with other nucleotidases. Preferentially hydrolyzes inosine 5'-monophosphate (IMP) and other purine nucleotides (By similarity). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.