

Product datasheet for **MG208873**

Nt5c2 (NM_029810) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c2 (NM_029810) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nt5c2
Synonyms:	2010002I23Rik; cN-II; CnII; ENSMUSG00000025039; Gm9751; Gmp; Nt5b; Pnt5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG208873 representing NM_029810
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACGACCTCCTGGAGTGACCGCTTACAGAATGCAGCAGATGTGCCTGCTAACATGGATAAGCATGCCT
 TGA AAAAGTACCGTCGAGAAGCCTATCACCGGGTGTGGTGAACCGAAGTTAGCCATGGAAAAATAAA
 GTGTTTTGGTTTTGATATGGATTATACCCTAGCCGTGTACAAGTCTCCAGAATATGAATCCCTTGCTTT
 GAGCTTACTGTGGAGAGATTAGTTTCCATTGGCTATCCTCAGGAGCTGCTCAGCTTTGCATATGATTCTA
 CATTCCCTACCAGAGGACTTGTCTTTGACACGCTCTATGGAAATCTTTTAAAAGTCGATGCCTATGGAAA
 CCTCTTGGTGTGTGCACATGGATTTAACTTCATAAGAGGACCAGAACTAGAGAGCAGTATCCAAATAAA
 TTTATCCAACGAGATGACTGAACGGTTTTACATTCTGAACACACTATTCAATCTCCAGAGACCTACC
 TGTTGGCCTGCCTCGTAGATTTTTTTACTAATTGTCCAGATACACCAGTTGTGACACAGGATTTAAGA
 TGGGGACCTCTCATGTCTACCGTAGCATGTTCCAGGACGTAAGAGACGCACTGGACTGGTCCATTAC
 AAGGGCTCCCTTAAGGAGAAGACGGTTGAAAATCTTGAGAAGTATGTCGTCGAAGGATGGCAAGTTGCCGT
 TGCTTCTGAGCCGAATGAAGGAAGTAGGGAAAAGTGTCTGGCTACTAACAGTACTATAAGTACACAGA
 TAAAATCATGACTTACCTGTTTGTATTTCCCGCATGGCCCCAAGCCCGGGAGCTCCCACCGCCGTGGCAG
 TCCTACTTTGACCTGATTTTGGTGGATGCTCGGAAACCACTCTTTTTGGAGAAGGCACAGTGTGCGTC
 AGGTGGACACTAAAACCTGGAAAACCTGAAAATGGCACCTACACGGGCCCCCTGCAGCACGGCATTGTCTA
 CTCAGGGGTTTACTCTGATACAATCTGTGACCTGTTGGGAGCTAAGGGCAAGACATTTTGTATATTGGA
 GATCACATTTTTGGAGACATTCTGAAGTCAAAGAAACGGCAAGGGTGGAGACTTTCTTGGTGTATCCTG
 AGCTTGGCAGGAGCTCCAGTCTGGACGGACAAGAGTTCACTCTTTGAAGAACTTCAAAGCTTGGATAT
 TTTCTTGGCTGAACTCTACAAGCACCTGGACAGCAGTAGCAATGAGCGCCCGACATTAGTTCATCCAG
 AGACGGATTAAGAAAGTAACTCATGACATGGACATGTGCTATGGGATGATGGGAAGCCTGTTCCGCAGCG
 GCTCCCGCAGACACTCTTGGCAGCCAAGTGTGCGCTATGCAGATCTCTATGCGGCCTCGTTCATCAA
 CCTGCTGTACTACCCATTAGCTACCTCTTCCAGAGCTGCCATGTCTGATGCCGCACGAGTCAACGGTG
 GAACACACGCATGTGGATATCAATGAGATGGAGTCCCCTCTGCCACCCGGAACCGCACGTCAGTGGATT
 TCAAAGACTGACTATAAGCGACACCAGCTTACAAGTCCATTAGTGAGGTCAAGCCCCCGACCTCTT
 CCCGCTGGCCCCCAGGAGATCACACACTGCCATGATGAAGATGATGATGAAGAGGAAGAAGAGGAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208873 representing NM_029810
 Red=Cloning site Green=Tags(s)

MTTSWSDRLQNAADV PANMDKHALKKYRREAYHRVFNRLAMEKIKCFGFDMDYTLAVYKSPEYESLGF
 ELTVLRLVSIYGPQELL SFAYDSTFPTRGLVFDLYGNLLKVDAYGNLLVCAHGFNFIRGPETREQYPNK
 FIQRDDTERFYILNTLFNLPEYLLACLVDFFTNCPRYTSCDTGFKDGLFMSYRSMFQDVRDAVDVWHY
 KGSLKEKTVENLEKYVVKDGKLP LLLSRMKEVGKVF L ATNSDYKYTDKIMTYLFD FPHGPKPGSSHRPWQ
 SYFDLILVDARKPLFFGEGTVLRQVDTKGKLIKIGTYTGPLQHGI VYSGGSSDTICDLLGAKGKIDILYIG
 DHIFGDILKSKKRQGWRTFLVIP ELAQELHVWTDKSSLFEELQSLDI FLAELYKHL DSSNERPDISSIQ
 RRIKKVTHDMDMCYGMGSLFRSGSRQTLFASQVMRYADLYAASF INLLYYPFSYL FRAAHV LMPHESTV
 EHTHVDINEMESPLATRNRTSVDFKDTDYKRHQL TRSISEVKPPDLFPLAPQEITHCHDEDDDEEEEEEE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_029810
ORF Size:	1680 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_029810.2 , NP_084086.2
RefSeq Size:	2729 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]