

Product datasheet for **MG204117**

Nt5c3 (BC038029) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nt5c3 (BC038029) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Nt5c3
Synonyms: Nt5y, p36, lupin, cN-III, PN-1, PN-I, PSN1, UMPH
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204117 representing BC038029
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACTAATCAGGAGTCTGCTGTCCATTTGAAAATGATGCCAGAATTCAGAAAAGCTCAGTTCGTATCA
AGAACCCTACAAGAGTAGAAGAAATTATCTGTGGTCTCATTAAAGGAGGCGCTGCCAACTTCAGATAAT
AACAGACTTTGACATGACTCTAAGTAGGTTTTCTACAATGGGAAAAGATGCCAACGTGCATAATATC
ATTGACAACCTGTAAGCTTGTACAGATGAATGTCGAAGAAAGTTACTGCAGTTAAAGGAGCAGTATTATG
CTATTGAAGTTGATCCTGTTCTCACCGTGAAGAGAAGTCCCTTACATGGTAGAGTGGTATACCAATC
TCACGGTTTGCTTATTGAACAAGGCATACCAAAAGCCAACTTAAAGAGATTGTGGCTGACTCTGACGTT
ATGCTCAAGGAAGGATATGAGAATTTCTTCGGTAACTTCAACAGCACGGTATCCCTGTGTTTCATATTTT
CTGCTGGTATTGGTGATGTACTTGAAGAAGTTATCCGGCAGGCTGGAGTTTATCACTCAAACGTCAAAGT
AGTGTCAAACCTCATGGATTTTGTGAAAATGGAGTGTGAAAGGATTCAAAGGAGAGTTAATCCACGTG
TTCAACAAACACGATGGTGCCCTGAAGAATACAGACTACTTCAGCCAGCTGAAAGACAACAGCAACATCA
TTCTGCTCGGGGACTCCCAAGGAGACCTAAGAATGGCCGATGGCGTAGCCAATGTTGAACACATTCTGAA
AATTGGTTATCTGAATGACAGAGTAGACGAGCTTTTAGAAAAATACATGGACTCTTATGATATTGTTTTA
GTAAAAGAAGAATCATTGGAGTTGTCAACTCAATTTTACAGAAGACATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204117 representing BC038029
 Red=Cloning site Green=Tags(s)

MTNQESAVHLKMMPEFQKSSVRIKNPTRVEEIIICGLIKGGAAKLQIITDFDMLSRFSYNGKRCPTCHNI
 IDNCKLVTDECRRLQLKEQYYAIEVDPVLTVEEKFPYMVEWYTKSHGLLIEQGIPKAKLKEIVADSDV
 MLKEGYENFFGKLQOHGIPVFI SAGIGDVL EEVIRQAGVYHSNVKVVSNFMDFDENGVLKGFKGELIHV
 FNKHDGALKNTDYFSQLKDNSNIILLGDSQGLRMDGVANVEHILKIGYLNDRVDELLEKYMDSYDIVL
 VKESLEVVNSILQKTL

TRTRPLE - GFP Tag - V

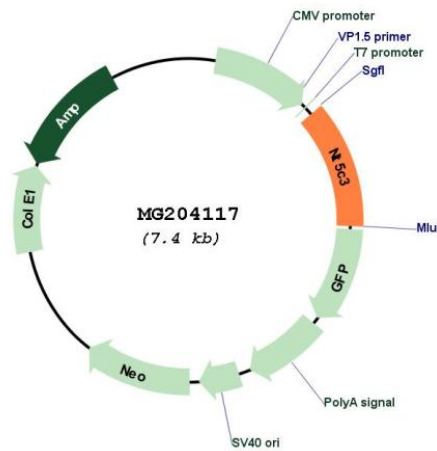
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC038029

ORF Size: 893 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:	BC038029 , AAH38029
RefSeq Size:	1523 bp
RefSeq ORF:	893 bp
Locus ID:	107569
Cytogenetics:	6 B3
Gene Summary:	Nucleotidase which shows specific activity towards cytidine monophosphate (CMP) and 7-methylguanosine monophosphate (m(7)GMP). CMP seems to be the preferred substrate. [UniProtKB/Swiss-Prot Function]