

Product datasheet for MR204117

Nt5c3 (BC038029) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c3 (BC038029) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nt5c3
Synonyms:	Nt5y, p36, lupin, cN-III, PN-1, PN-I, PSN1, UMPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204117 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTAATCAGGAGTCTGCTGTCCATTTGAAAATGATGCCAGAATTCAGAAAAGCTCAGTTCGTATCA
AGAACCCTACAAGAGTAGAAGAAATTATCTGTGGTCTCATTAAAGGAGGCGCTGCCAACTTCAGATAAT
AACAGACTTTGACATGACTCTAAGTAGGTTTTCTACAATGGGAAAAGATGCCAACGTGCATAATATC
ATTGACAACCTGTAAGCTTGTACAGATGAATGTCGAAGAAAGTTACTGCAGTTAAAGGAGCAGTATTATG
CTATTGAAGTTGATCCTGTTCTCACCGTGAAGAGAAGTCCCTTACATGGTAGAGTGGTATACCAAATC
TCACGGTTTGCTATTGAACAAGGCATACCAAAAGCCAACTTAAAGAGATTGTGGCTGACTCTGACGTT
ATGCTCAAGGAAGGATATGAGAATTTCTTCGGTAACTTCAACAGCACGGTATCCCTGTGTTTCATATTTT
CTGCTGGTATTGGTGATGTACTTGAAGAAGTTATCCGGCAGGCTGGAGTTTATCACTCAAACGTCAAAGT
AGTGTCAAACCTCATGGATTTTGTGAAAATGGAGTGCTGAAAGGATTCAAAGGAGAGTTAATCCACGTG
TTCAACAAACACGATGGTGCCCTGAAGAATACAGACTACTTCAGCCAGCTGAAAGACAACAGCAACATCA
TTCTGCTCGGGGACTCCAAGGAGACCTAAGAATGGCCGATGGCGTAGCCAATGTTGAACACATTCTGAA
AATTGGTTATCTGAATGACAGAGTAGACGAGCTTTTAGAAAAATACATGGACTCTTATGATATTGTTTTA
GTAAAAGAAGAATCATTGGAGTTGTCAACTCAATTTTACAGAAGACATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR204117 protein sequence
Red=Cloning site Green=Tags(s)

MTNQESAVHLKMMPEFQKSSVRIKNPTRVEEIIICGLIKGGAAKLQIITDFDMLSRFSYNGKRCPTCHNI
 IDNCKLVTDECRRLQLKEQYYAIEVDPVLTVEEKFPYMVEWYTKSHGLLIEQGIPKAKLKEIVADSDV
 MLKEGYENFFGKLQOHGIPVFI SAGIGDVL EEVIRQAGVYHSNVKVVSNFMDFDENGVLKGFKGELIHV
 FNKHDGALKNTDYFSQLKDNSNIILLGDSQGLRMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVL
 VKESLEVVNSILQKTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC038029

ORF Size: 891 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:

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

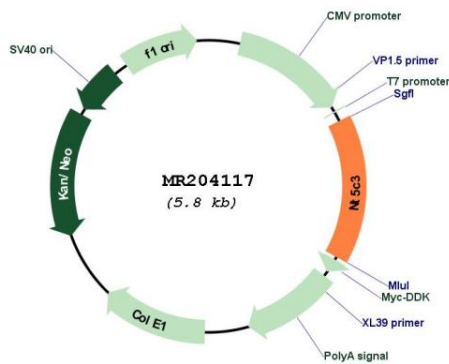
Locus ID: 107569

Cytogenetics: 6 B3

MW: 33.8 kDa

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]

Product images:



Circular map for MR204117