

Product datasheet for **RG204354**

NT5C3L (NT5C3B) (NM_052935) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C3L (NT5C3B) (NM_052935) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NT5C3L
Synonyms:	cN-IIIB; NT5C3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204354 representing NM_052935 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCCACGGTCCTGATGCGGCAGCCTGGGCGGTGCAGGAGATCGTGGCGCCCTCCGCAAGGGCG
GCGGAGACCGTTACAGGTGATTTCTGATTTTGACATGACCTTGAGCAGGTTTGCATATAATGGAAGCG
ATGCCCTTCTTCTTACAATATTCTGGATAATAGCAAGATCATCAGTGAGGAGTGTGCGAAAGAGCTCACA
GCGCTCCTTCACTATTACCAATTGAGATCGACCCACACCGGACCGTCAAGGAGAAGCTACCTCATA
TGGTGAATGGTGGACCAAGCGCACAATCTCCTATGTCAGCAGAAGATTGAGAAGTTTCAGATAGCCCA
GGTGGTTAGAGAGTCCAATGCAATGCTCAGGGAGGGATATAAGACCTTCTTCAACACACTCTACCATAAC
AACATTCCCTTTTCATCTTTCTGCGGGCATTGGTGATATCCTGGAAGAAATTATCCGACAGATGAAAG
TGTTCCACCCCAACATCCACATCGTGTCTAACTACATGGATTTTAAATGAAGATGGTTTTCTCCAGGGATT
TAAGGGCCAGCTGATACACATACAACAAGAAGAGCTCTGTGTGTGAGAACTGTGGTTACTTCCAGCAA
CTTGAGGGCAAAACCAATGTCATCCTGCTGGGAGACTCTATCGGGGACCTCACCATGGCCGATGGGGTTC
CTGGTGTGCAGAACATTCTAAAATTGGCTTCTGAATGACAAGGTGGAGGAGCGGCGGGAGCGCTACAT
GGACTCCTATGACATCGTGTCTGGAGAAGGACGAGACTCTGGATGTGGTCAACGGGCTACTGCAGCACATC
CTGTGCCAGGGGTCCAGCTGGAGATGCAAGGCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204354 representing NM_052935

Red=Cloning site Green=Tags(s)

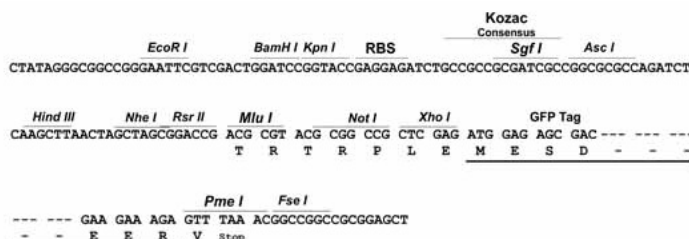
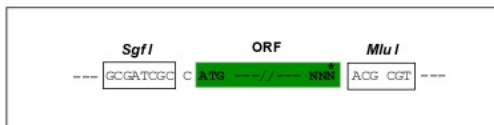
MKATVLMRQPGRVQIEIVGALRKGGGDRLQVISDFDMTLSRFAYNGKRCPPSSYNILDNSKIIISEEKRKELT
 ALLHHYYP IEDPHRTVKEKLPHMVEWTKAHNLLCQQKIQKFQIAQVVRSENAMLRREGYKTFNTLYHN
 NIPLFIFSAGIGDILEEIRQMKVFHPNIIHIVSNYMDFNEDGFLQGFGQLIHTYNKNSSVCENCGYFQQ
 LEGKTNVILLGDSIGDLTMADGVPGVQNILKIGFLNDKVEERRERYMDSYDIVLEKDETLDVVNGLLQHI
 LCGQVLEMQGSP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM 052935

ORF Size: 876 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: [NM_052935.2](#), [NP_443167.2](#)

RefSeq Size: 1467 bp

RefSeq ORF: 903 bp

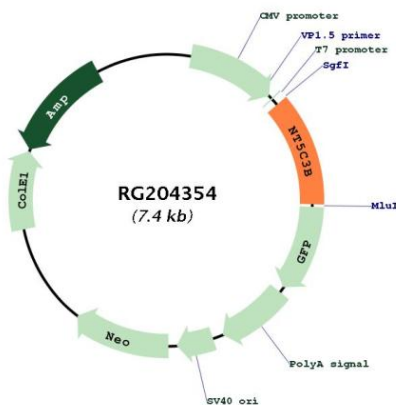
Locus ID: 115024

UniProt ID: [Q969T7](#)

Cytogenetics: 17q21.2

Gene Summary: Specifically hydrolyzes 7-methylguanosine monophosphate (m(7)GMP) to 7-methylguanosine and inorganic phosphate (PubMed:23223233, PubMed:24603684). The specific activity for m(7)GMP may protect cells against undesired salvage of m(7)GMP and its incorporation into nucleic acids (PubMed:23223233). Also has weak activity for CMP (PubMed:23223233, PubMed:24603684). UMP and purine nucleotides are poor substrates (PubMed:23223233). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204354