

Product datasheet for **RG203157**

NAT8 (NM_003960) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAT8 (NM_003960) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAT8
Synonyms:	ATase2; CCNAT; CML1; GLA; Hcml1; TSC501; TSC510
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203157 representing NM_003960 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCTTGTCACATCCGCAAATACCAGGAGAGCGACCGCCAGTGGTTGTGGCTTGCTCTCCGGG
GGATGGCCGAGCATGCCCCAGCCACCTTCGGCAATTGCTGAAGCTGCCTCGAACCTCATACTTACT
TGGGGGGCCCTCGCCCTACTCCTGGTCTCTGGATCCTGGCTTCTAGCCCTCGTGTTCAGCATCAGCCTC
TTCCCTGCCCTGTGGTTCCTTGCCAAAAACCTGGACGGAGTATGTGGACATGACATTGTGCACAGACA
TGTCTGACATTACCAAATCCTACCTGAGTGAGCGTGGCTCCTGCTTCTGGTGGCTGAGTCTGAAGAGAA
GGTGGTGGGCATGGTAGGAGCTCTGCCTGTTGATGATCCACCTTGAGGGAGAAGCGGTTGCAGCTGTT
CATCTCTTTGTGGACAGTGAGCACCGTCGTCAGGGGATAGCAAAAAGCCCTGGTCAGGACTGTCTCCAGT
TTGCCCGGGACCAGGGCTACAGTGAAGTTATCCTGGACACCGGCACCATCCAGCTCTCTGCTATGGCCCT
CTACCAGAGCATGGGCTTCAAGAAGACGGGCCAGTCCCTTCTTGTGTGTGGCCAGGCTAGTGGCTCTT
CATACAGTTCATTTATCTACCACCTCCCTTCTTCTAAGGTAGGGAGTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203157 representing NM_003960
 Red=Cloning site Green=Tags(s)

MAPCHIRKYQESDRQVVVGLLSRGM AEHAPATFRQLLKLPRTLILLGGPLALLLVSGSWLLALVFSISL
 FPALWFLAKKPWTEYVDMTLCTDMSDITKSYLSERGSFCFWVAESEKVVGMVGPVDDPTLREKRLQLF
 HLFVDSEHRRQGI AKALVRTVLQFARDQGYSEVILDTGTIQLSAMALYQSMGFKKTGQSF FCVWARLVAL
 HTVHFIIYHLPSSKVG SQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003960

ORF Size: 681 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_003960.3](#), [NP_003951.3](#)

RefSeq Size: 1073 bp

RefSeq ORF: 684 bp

Locus ID: 9027

UniProt ID: [Q9UHE5](#)

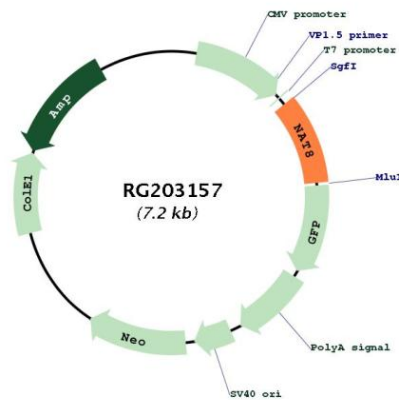
Cytogenetics: 2p13.1

Domains: Acetyltransf

Protein Families: Transmembrane

Gene Summary: This gene, isolated using the differential display method to detect tissue-specific genes, is specifically expressed in kidney and liver. The encoded protein shows amino acid sequence similarity to N-acetyltransferases. A similar protein in *Xenopus* affects cell adhesion and gastrulation movements, and may be localized in the secretory pathway. A highly similar paralog is found in a cluster with this gene. [provided by RefSeq, Sep 2008]

Product images:



Circular map for RG203157