

Product datasheet for **MG215193**

Nat14 (NM_201355) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Nat14
Synonyms: BC047219
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215193 representing NM_201355
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCCTAACCACTGTCAGTGCAGGAAATGAGGGAAGATGAGAAGCCCTGGTGTGGAGATGCTGA
AGGCTGGTGTAAAAGACACGGAAAACCGTGTGGCCCTCCACGCTCTGACACGACCTCCAGCCCTTCTCCT
CCTGGCTGCAGCCAGCAGCGGACTGCGCTTCATCCTGGCCTCCTTCGCCCTGGCCCTCCTGCTGCCCGTG
TTTCTGGCTGTAGCCGCTGTGAAGCTGGGTTTGCAGCCGATGGGGCTCTCTGCCTCCACCAGGCGGCC
TGGGAGGGCCCTGGGTGGCTGTCCGTGGCTCCGGCGATGTGTGGAGTCTGGCTCTGGCCCTGGTGC
CAACGTGGGGATGGAGCCGAGTCAACCCCTCTCTGTCTCGATGGCACCGTCGCAGGGCGTGGGC
AGAAGGCTGCTGGCCTTTGCCAGGCTCGAGCCGAGCATGGGCTGGAAGTATGGGGAGCCTCGGGCC
GGCTCGTGGTCCCAGTGGCTGTAGCCGCTTGGGGGTGGCAGGTTATTGGAGCCTGTGGTACCAGGC
AGAGGGAGGCTGGGCTGCATGGCTATATGCTGGTTAGGGAATTCAGCAAAGACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215193 representing NM_201355
Red=Cloning site Green=Tags(s)

MAPNHL SVREMREDEKPLVLEMLKAGVKD TENRVALHALTRPPALLLLAAASSGLRFILASFALALLLPV
FLAVAAVKLGLRARWGLPPPGGLGPPWAVRGSVDVCGVLAAPGANVGDGARVTRL SVSRWRRRRGVG
RRLLAFAEARARAWAGSMGEPRARLVVPVAVAAWGVAGLLEACGYAEGGWGCMGYMLVREFSKDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_201355

ORF Size: 618 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).

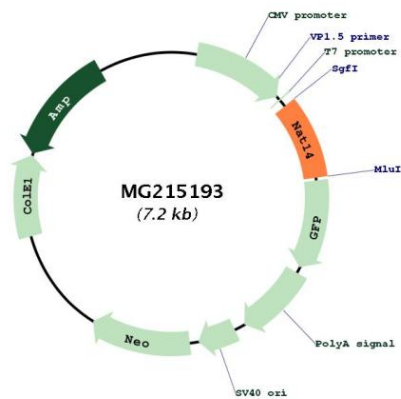
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_201355.3](#), [NP_958743.1](#)

RefSeq Size: 1612 bp

RefSeq ORF:	621 bp
Locus ID:	269854
UniProt ID:	Q8BVG8
Cytogenetics:	7 A1
Gene Summary:	Probable acetyltransferase that binds the 5'-GGACTACAG-3' sequence of coproporphyrinogen oxidase promoter. Able to activate transcription of a reporter construct in vitro (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG215193