

Product datasheet for **RG205649**

NAT14 (NM_020378) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NAT14 (NM_020378) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NAT14
Synonyms: KLP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205649 representing NM_020378
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCACGCCACCTGTCACTGCGGGAGATGAGGGAAGATGAGAAGCCCTGGTGTGGAGATGCTGA
 AGGCCGGCGTGAAGGACACGAAACCGCGTGGCCCTCCATGCCTTGACACGGCCCGGCCCTGCTCCT
 CCTGGCGCGGCCAGCAGCGGCTGCGCTTGTCTGGCTTCCTCGCCCTGGCCCTCCTCTGCCGGTG
 TTCTGGCTGTGGCCGCGTGAAGCTGGGCTGCGGGCCGATGGGGCTCGCTGCCTCCGCCGGGTGCC
 TGGGGGGCCCTGGGTGGCGTGCAGGGCTCCGGTGACGTGTGTGGGTCTGGCTCTGGCCCTGGCAC
 AAATGCAGGGGACGGGGCCCGGTACCCGCTGTCTGTCTCTCGCTGGCACCGCCCGGGGGCGTGGGC
 AGGAGGCTGTGGCTTCGCGGAGGCGCGGCTCGGGCTGGGCTGGGGCATGGGGAGCCCCGGGCC
 GGCTCGTGGTCCCCGTGGCTGTGGCCGCTGGGGGTGGGAGGGATGCTGGAGGGCTGTGGCTACAGGC
 CGAGGGGGGCTGGGGCTGCCTGGGTACACGCTGGTGAGGGAATTCAGCAAGACCTG

A**CGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205649 representing NM_020378
 Red=Cloning site Green=Tags(s)

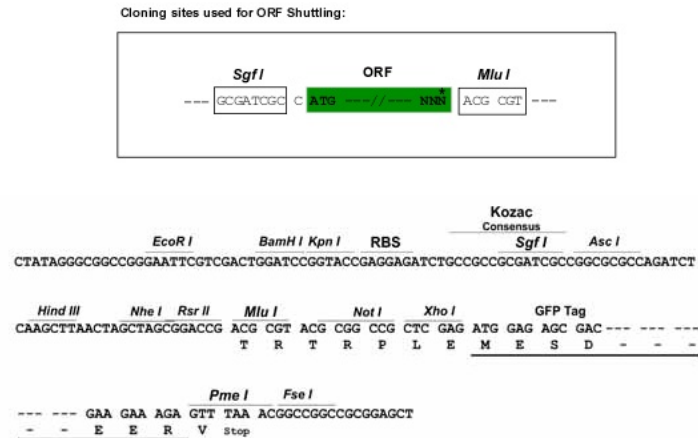
MAPSHLSVREMREDEKPLVLEMLKAGVKDTENRVALHALTRPPALLLLAAASSGLRFVLASFALALLLPV
 FLAVAAYKLGLRARWGLPPPGGLGGPWAVRGSGDVCGVLALAPGTNAGDGARVTRLVSRWHRRGV
 RRLLAFAEARARAWAGGMGEPRARLVVPVAVAAWVGGMLEGGYQAEGGWGCLGYTLVREFSKDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_020378

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.

RefSeq: [NM_020378.4](#)

RefSeq Size: 1331 bp

RefSeq ORF: 621 bp

Locus ID: 57106

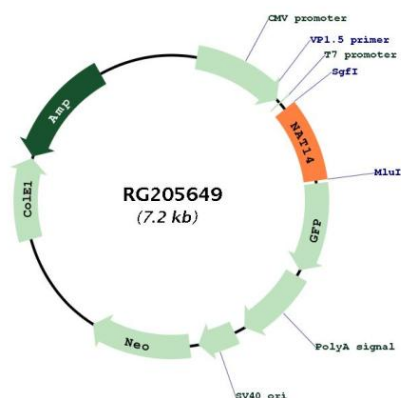
UniProt ID: [Q8WUY8](#)

Cytogenetics: 19q13.42

Protein Families: Transmembrane

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. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205649