

Product datasheet for **RG201595**

MNAT1 (NM_002431) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MNAT1 (NM_002431) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MNAT1
Synonyms:	CAP35; MAT1; RNF66; TFB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201595 representing NM_002431 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGATCAGGGTTGCCCTCGGTGTAAGACCACCAATATCGGAACCCCTCCTGAAGCTGATGGTGA
ATGTGTGCGGACACTCTCTGTGAAAGTTGTGTAGATTTACTGTTTGTGAGAGGAGCTGGAACTGCC
TGAGTGTGGTACTCCACTCAGAAAGAGCAACTCAGGGTACAACCTTTGAAGATCCCACTGTTGACAAG
GAGTTGAGATCAGGAAAAAGTCTAAAGATATAACAATAAAGGAAGAAGATTTCTAGTCTAAGAG
AATACAATGATTTCTTGAAGAAGTGAAGAAATTGTTTTCAACTTGACCAACAATGTGGATTTGGACAA
CACAAAAAGAAAATGGAGATATACAAAAGGAAAACAAGATGTTATTCAGAAAAATAAATTAAGCTG
ACTCGAGAACAGGAAGAACTGGAAGAAGCTTTAGAAGTGAACGACAGGAAAATGAACAAAGAAGATTAT
TTATACAAAAAGAAGAACAACCTGCAGCAGATTCTAAAAAGGAAGAATAAGCAGGCTTTTTAGATGAGCT
GGAGAGTTCTGATCTCCCTGTTGCTCTGCTTTGGCTCAGCATAAAGATAGATCTACCCAATTAGAAATG
CAACTTGAGAAACCAACCTGTAAAACCAAGTACGTTTTCCACAGGCATCAAAATGGGTCAACATTTT
CACTGGCACCTATTCACAAGCTTGAAGAAGCTCTGTATGAATACCAGCCACTGCAGATAGAGACATATGG
ACCACATGTTCTGAGCTTGAGATGCTAGGAAGACTTGGGTATTTAAACCATGTCCAGAGCTGCCTACCA
CAGGACCTTGCTGGAGGCTATACTTCTTCTTCTGCTTGTACAGAGCACTACAGGATGCATTCAGTGGCC
TTTTCTGGCAGCCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_002431.4](#)

RefSeq Size: 1388 bp

RefSeq ORF: 930 bp

Locus ID: 4331

UniProt ID: [P51948](#)

Cytogenetics: 14q23.1

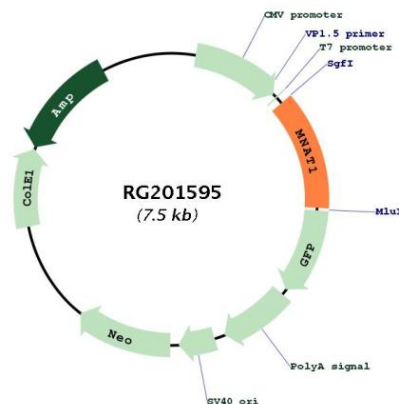
Domains: RING

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Nucleotide excision repair

Gene Summary: The protein encoded by this gene, along with cyclin H and CDK7, forms the CDK-activating kinase (CAK) enzymatic complex. This complex activates several cyclin-associated kinases and can also associate with TFIID to activate transcription by RNA polymerase II. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG201595