

Product datasheet for **RG226812**

NAT10 (NM_001144030) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NAT10 (NM_001144030) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NAT10
Synonyms: ALP; Kre33; NET43
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG226812 representing NM_001144030
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATCGGAAAAAGGTGGATAACCGAATCCGGATTCTCATTGAGAATGGAGTAGCTGAGCGCAAAGAT
CTCTCTTTGTTGTAGTTGGGATCGAGGAAAAGATCAGGTGGTAATACTTCATCACATGTTATCCAAAGC
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AACTCTTCATAGCAGCCACAAACATTTCGCTACTGCTACTACAACGAGACCCACAAGATCCTGGGCAATAC
CTTCGGCATGTGTGTGCTGCAGGATTTGAAGCCTTAACCTCAAACCTTGCTGGCCAGGACTGTAGAAACA
GTGGAAGGTGGTGGGCTAGTGGTCATCCTCTACGGACCATGAACTCACTCAAGCAATTGTACACAGTGA
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TATTCTGTCTCTGGCCTCTTGAAGAAGTGTCTCGTCATTGATGACCAGCTCAACATCCTGCCATCTCC
TCCCACGTTGCCACCATGGAGGCCCTGCCTCCCAGACTCCGGATGAGAGTCTTGGTCTCTGTACTGG
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TCTAGACCAGGCCAAAGCTGTCTTGAAATTTATCGAGGGCATCTCTGAAAAGACCCTGAGGAGTACTGTT
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TAAAGGATTTGATGCTCTGCAATATCAGGAACATCTGGATTATGAGATTATCCAGTCTCTAAATCTGAA
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CAGATGCTGTGAAGCTGGGCCAGGCTGAACTAGTTGTGATTGATGAAGCTGCCGCCATCCCCCTCCCCTT
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AACATCACTCGGATAGTCTCAGGCTGCCCTTGCCCTGAAGCTTGTGAACTGACTATGTTAATAGAGATA
 CCCTCTTTTGGCTACCACAAGGCCTCTGAAGTTTCTCCAACGGCTTATGGCCCTCTACGTGGCTTCTCA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG226812 representing NM_001144030
 Red=Cloning site Green=Tags(s)

MHRKKVDNRIRILIEINGVAERQSLFVVVGDGRKDVVILHHMLSKATVKARPSVLWYKKELGFSHRK
 KRMRQLQKIKNGTLNLIKQDDPFELIAATNIRYCYNETHKILGNTFGMCVLQDFEALTPNLLARTVET
 VEGGGLVVILLRTMNSLKQLYVTMDVHSRYRTEAHQDVVGRFNERFILSLASCKKCLVIDDQLNLPIS
 SHVATMEALPPQTPDES LGPSDLELRELKESLQDTPVGVLDCCCKTLDQAKAVLKFIEGISEKTLRSTV
 ALTAARGRKSAAALGLAIAGAVAFGYSNIFVTSPSPDNLHTLFEFVFKGFDALQYQEHLDYEEIIQSLNPE
 FNKAVIRVNVFREHRQTIQYIHPADAVKLGQAEVVIDEAAAIPPLVKSLLGPYLVFMASTINGYEGTG
 RSLSLKLIQQLRQSAQSQVSTTAENKTTTTARLASARTLHEVSLQESIRYAPGDAVEKWLNDLLCLDCL
 NITRIVSGCPLPEACELYYVNRDTLFCYHKASEVFLQRLMALYVASHYKNPNDLQMLSDAPAHHLFCLL
 PPVPPTQNALPEVLAVIQVCLEGEISRQSILNSLSRGKASGDLIPWTVSEQFDQPDFGGLSGGRVVRIA
 VHPDYQGMGYGSRALQLLQMYEGRFPCLLEEKVLETPQEIHTVSSEAVSLLEEVIIPRKDLPPLLLKLINE
 RPAERLDYLGVSYGLTPRLLKFWKRAGFVPVYLRQTPNDLTGEHSCIMLKTLTDEDEADQGGWLAAFWKD
 FRRRFLALLSYQFSTFSPSLALNIIQNRNMGKPAQPALSREELEALFLPYDLKRLEMYSRNMVDYHLIMD
 MIPAIRIYFLNQLGDLALSAQSALLLIGLQHKSVQLEKEIELPSGQLMGLFNRIIRKVVKLFNEVQ
 EKAIEEQMVAAKDVMEPTMKTLSDDLDEAAKEFQEKHKKEVGLKSMDSLSEYIIRGDDEEWNEVLNKA
 PNASIIISLKSDDKRRKLEAKQEPKQSKLKNRETKNKMDMLKRRK

TRTRPLE - GFP Tag - V

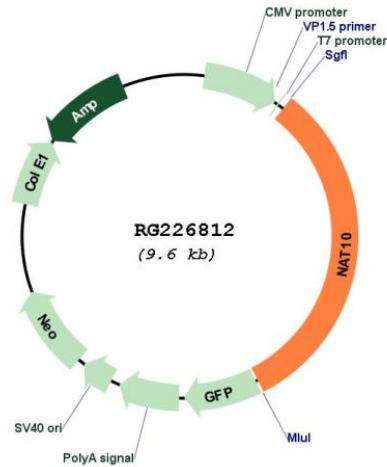
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001144030

ORF Size: 3078 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:	<ol style="list-style-type: none">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:	<u>NM_001144030.1</u> , <u>NP_001137502.1</u>
RefSeq Size:	3843 bp
RefSeq ORF:	2862 bp
Locus ID:	55226
UniProt ID:	<u>Q9H0A0</u>
Cytogenetics:	11p13
Gene Summary:	The protein encoded by this gene is an RNA cytidine acetyltransferase involved in histone acetylation, tRNA acetylation, the biosynthesis of 18S rRNA, and the enhancement of nuclear architecture and chromatin organization. [provided by RefSeq, Oct 2016]