

Product datasheet for **MG204171**

Cnot9 (NM_021383) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cnot9 (NM_021383) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cnot9 |
| Synonyms: | 2610007F23Rik; AI593551; F110; Rqcd1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG204171 representing NM_021383 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACAGCCTGGCAACGGCAGCGCCTGTGCCTACTGCACTAGCCCAAGTGGACAGAGAGAAGATCTATC
AGTGGATCAATGAACTGTCCAGTCCTGAGACAAGGAAAATGCTTTGTTGGAGCTGAGCAAGAAGAGAGA
GTCTGTCCCTGACCTTGACCCATGCTATGGCATTCAATTTGGTACTATTGCAGCACTGTTACAGGAAATT
GTAATATTTATCCATCTATCAACCCCAACCTTGACAGCACACCAGTCTAACAGAGTTTGCAATGCTT
TAGCATTGCTGCAGTGTGTGGCCTCACACCCGGAGACCAGGTGAGCTTTTCTGGCAGCACACATCCCACT
CTTTTTGTACCCCTTTTGCACACAGTCAGCAAACCTCGTCCCTTTGAATATCTTCGGCTCACAGCCTT
GGAGTTATTGGGGCCTTGTTAAAACAGATGAGCAAGAAGTAATCAACTTTTTATTGACCACAGAGATCA
TCCCTCTGTGCTGCGCATCATGGAGTCTGGAAGTGAAGTCTCTAAAACGGTTGCCACATTCATACTCCA
GAAGATCCTCTTGGATGACACTGGTTTAGCTTATATATGTGAGACATATGAGCGTTTTTCCCATGTTGCC
ATGATCTTGGGTAATGGTCTGCAGCTATCAAAGAACCGTCAGCCCGTCTGCTGAAGCACGTAGTAA
GATGTTACCTTCGACTCTCAGATAATCCAGGGCACGTGAAGCACTCAGACAGTGCCTCCCTGACCAGCT
GAAGGACACAACCTTTGCCAGGTGCTAAAAGACGACACCACCAGAAACGCTGGCTTGCAACTGGTG
AAGAACCTGCAAGAGGGCCAGGTACCGATCCCGGGGATTCCCCTGCCCCCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204171 representing NM_021383
Red=Cloning site Green=Tags(s)

MHSLATAAPVPTALAQVDREKIYQWINESSPETRENALLELSKKRESVPDLAPMLWHSFGTIAALLQEIVNIYPSINPPTLTAHQSNRVCNALALLQCVASHPETRSAFLAAHIPLFLYPFLHTVSKTRPFEYLRLTSLGVIGALVKTDEQEVINFLTTTEIIPLCRLIMESGSELSKTVATFILQKILLDDTGLAYICQTYERF SHVAMILGKMVLQLSKEPSARLLKHVVRCYLRLSDNPRAREALRQCLPDQLKDTTFAQVLKDDTTTKRWLAQLVKNLQEGQVTDPRGIPLPPQ

TRTRPLE - GFP Tag - V

Restriction Sites:

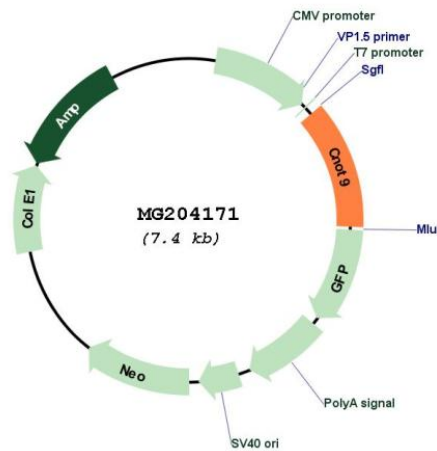
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_021383

ORF Size: 897 bp

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|-------------------------------|---|
| 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: | NM_021383.5 |
| RefSeq Size: | 3267 bp |
| RefSeq ORF: | 900 bp |
| Locus ID: | 58184 |
| UniProt ID: | Q9JKY0 |
| Cytogenetics: | 1 C4 |
| Gene Summary: | Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Involved in down-regulation of MYB- and JUN-dependent transcription. May play a role in cell differentiation. Required for retinoic acid-induced differentiation of F9 teratocarcinoma cells. Does not bind DNA by itself. Enhances ligand-dependent transcriptional activity of nuclear hormone receptors. May play a role in cell differentiation. [UniProtKB/Swiss-Prot Function] |