

## Product datasheet for **RG203044**

### **NMD3 (NM\_015938) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | NMD3 (NM_015938) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                |
| Symbol:                   | NMD3                                    |
| Synonyms:                 | CGI-07                                  |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-AC-GFP (PS100010)                 |
| E. coli Selection:        | Ampicillin (100 ug/mL)                  |



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**ORF Nucleotide Sequence:**

>RG203044 representing NM\_015938  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGTATATGGCAGAATCCACCGACCGCAGCCCTGGACACATCTTGTGCTGTGAGTGTGGTGTCCGA  
 TAAGTCCAAATCCTGCCAATATTTGTGTGGCCTGTTTGCAGAGTAAAGTGGACATCAGCCAAGGTATTCC  
 GAAACAAGTCTCGATTTCTGTTCTGCAAAACAATGTCAAAGGATTTTCAACCACCAGGAAGTGGATACAG  
 TGTGCTTTAGAATCCAGGGAAGTCTTGTCTTGTGCTTGAAGGCTCTGAGTAAAGGTAC  
 GGCTTGTAGATGCAGGCTTTGTTGGACTGAGCCTCATTCTAAGAGACTTAAAGTAAAGTAACTGACTATTCA  
 GAAAGAGGTGATGAATGGTGTCTCCTTCAACAAGTGTGTTGGTGGATTATGTTGTTCACTCCCAATG  
 TGTGGAGATTGCCATAGAGTAGAAGCTAAGGATTTCTGGAAGGCTGTGATTCAAGTGAGGCAAAAGACTT  
 TGCATAAAAAAAGTCTTACTATCTGGAACAGTTAATTCTGAAATATGGAATGCATCAGAATACACTTCG  
 TATCAAAGAGATTCATGATGGTCTGGATTTTATTATTCTCAAACAACATGCTCAGAAGTGGTCGAA  
 TTTCTTCAGTGTACAGTTCCTGTAGATACAAAGCATCACAAGACTGATCTCTCAAGATATCCATAGTA  
 ACACATACAATTACAAAAGCACTTTTCTGTGGAATTTGTCCAATATGCAAGGATAATGTTGTCTGTCT  
 GTCTCCAAAAGTGGCACAAGCCTGGGAAATATGAACCAGATTTGTGTGTATTGAGTAACCAAGTGCC  
 ATTCACCTCATTGATCCAAACACCCTACAAGTGGCAGATATTGATGGGAGCACTTTCTGGAGTCAACCTT  
 TCAATAGTTTATGTCATCCCAACAGCTAGAGGAGTTTATTGTGATGGAATGCAGCATAGTCCAAGATAT  
 AAAACGTGCTGCAGGTGCTGGAATGATATCAAAAAGCATACCCTCGGGAGTCTGGGTACAGAAGACA  
 TCTGAAATGAATACAGATAAACAGTATTTTGTGCTACTCATTGGGACATCTTCTAAATCCCGGAGACC  
 TGGTGTAGGGTTTGATTGGCCAAGTAACTTAAATGATGAGCATGTCAACAAATGAAGTCAAGTATG  
 AGTTCAGATGTGGTATTAATCAAGAAGAGCTATGACCGGACCAACGTCAGCGCTAGAAAAGTGGAAA  
 TTGAAAGAGCTTGCAAGAGAGAGAGAAAACATGGATACAGATGATGAAAGCAATACCAAGATTTTCTTG  
 AAGATCTTGAAGAAGATGAGGCAATTCGAAAAATGTCAACATTTACAGAGATTAGCCATCCCTGTGGA  
 AAGTGACACCGATGATGAAGGAGCACCTCGAATTAGTCTGGCTGAGATGCTTGAAGACCTTCATATTTCC  
 CAAGATGCCACTGGTGAAGAAGTGCATCAATGCTGACA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

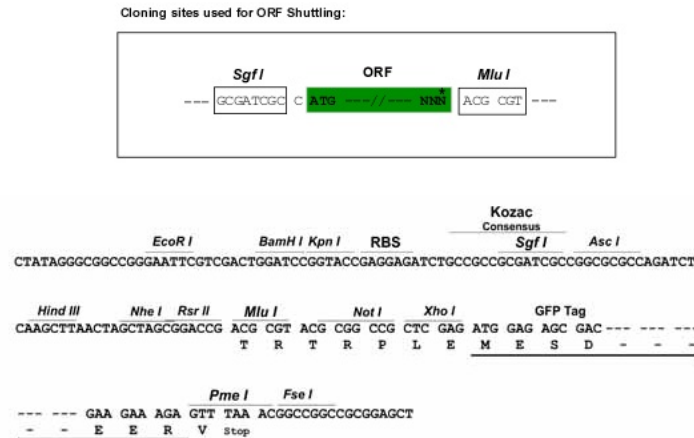
>RG203044 representing NM\_015938  
 Red=Cloning site Green=Tags(s)

MEYMAESTDRSPGHILCCECGVPISPNPANICVACLRSKVDISQGIKQVSIQFCKQCQRYFQPPGTWIIQ  
 CALESRELLALCLKKIKAPLSKVRLVDAGFVWTEPHSKRLKVKLTIQKEVMNGAILQQVFVVDYVVSQM  
 CGDCHREAKDFWKAVIQVRQTLHKTFYYLEQLILKYGMMHQNLTIRIKEIHDGLDFYYSSKQHAQKQMV  
 FLQCTVPCRYKASQRLISQDIHSNTYNYKSTFSVEIVPICKDNVCLSPKLAQSLGNMNIQVCIRVTS  
 IHLIDPNTLQVADIDGSTFWSHPFNSLCHPKQLEEFIVMECSIVQDIKRAAGAGMISKKHTLGEVWVQKT  
 SEMNTDKQYFCRTHLGHLNPGDLVLFGLANCLNDEHVNKMNSDRVPDVLIKSYDRTRKQRRRNWK  
 LKELARERENMDTDDERQYQDFLEDLEDEAIRKNVNIYRDSAIPVESDTEGAPRISLAEMLEDLHIS  
 QDATGEEGASMLT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_015938

**ORF Size:** 1509 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\\_015938.5](#)

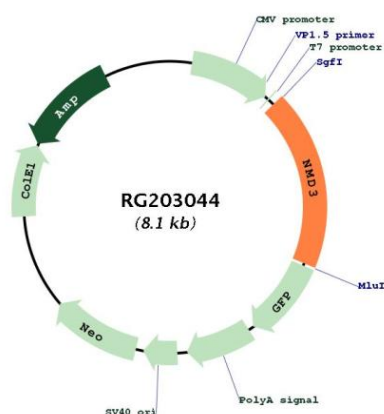
**RefSeq Size:** 2762 bp

**RefSeq ORF:** 1512 bp

**Locus ID:** 51068

|               |                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID:   | <u><a href="#">Q96D46</a></u>                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics: | 3q26.1                                                                                                                                                                                                                                                                                                                                                                                    |
| Domains:      | NMD3                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Summary: | Ribosomal 40S and 60S subunits associate in the nucleolus and are exported to the cytoplasm. The protein encoded by this gene is involved in the passage of the 60S subunit through the nuclear pore complex and into the cytoplasm. Several transcript variants exist for this gene, but the full-length natures of only two have been described to date. [provided by RefSeq, Feb 2016] |

## Product images:



Circular map for RG203044