

## Product datasheet for **RG208191**

### **NUDCD1 (NM\_032869) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NUDCD1 (NM_032869) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUDCD1
Synonyms:	CML66; OVA66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG208191 representing NM\_032869  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGTGGCGCTAATTGCTCCCTACGGGTGAAGAGACCTCTGTTGGATCCCCGCTTCGAGGGTTACA  
 AGCTCTCTCTTGAGCCGCTGCCTTGTACCAGCTGGAGCTTGACGCAGCTGTGGCAGAGGTAAAACCTCG  
 AGATGATCAATATACACTGGAACACATGCATGCTTTTGAATGTATAATTACCTGCACTGTGATTATGG  
 TATCAAGACAGTGTCTACTATATTGATACCCTTGAAGAATTATGAATTAACAGTAATGCTGGACACTG  
 CCTTAGGAAAACACGAGAGGTGTTTCGACTTCTACAGATTTGACAGCATGTGACAACCGTCTTTGTGC  
 ATCTATCCATTTCTCATTTCTACCTGGGTTACCTTGTGAGTGAAGCTGGAAGATTGTATGTCATTGGA  
 ACAGGTGAACGTGAAAATAGCGCTTCTGAAAAATGGGAGATTATGTTAATGAAGAAGCTGGGGATCCTT  
 TTATTATAATTCACAGTATCTCACTGCTAAATGCTGAAGAACATTCTATAGCTACCCTACTTCTTCGAAT  
 AGAGAAAGAGGAATTGGATATGAAAGGAAGTGGTTTCTATGTTTCTCTGGAGTGGTCACTATCAGTAAG  
 AAAAAACAAGATAATAAAAAATATGAAATTATTAAGCGTGATATTCCTCGTGAAAGTCAGTGCCACATT  
 ATGCTGCTATTGAGCCTGATGGAATGGTCTAATGATTGTATCCTACAAGCTTTTACATTTGTTACGGC  
 TGGTCAAGATCTTGAAGAAAATATGGATGAAGACGTATCAGAGAAAATCAAAGAACCTCTGTATTACTGG  
 CAACAGACTGAAGATGATTTGACAGTAACCATACGGCTTCCAGAAGACAGTACTAAGGAGGACATTCAA  
 TACAGTTTTTGCCTGATCACATCAACATTGTAAGGATCACCAGTTTTTGAAGGAAAACCTCTATTC  
 ATCTATTGATCATGAAAGCAGTACATGGATAATTAAGAGAGTAATAGCTTGGAGATTTCTTTGATTAAG  
 AAGAATGAAGGACTGACCTGGCCAGAGCTAGTAATTGGAGATAACAAGGGGAACCTATAAGAGATTGAG  
 CCCAGTGTGCTGCAATAGCTGAACGTTTGTATGCATTTGACCTGGAAGAAGTCAAAATCCAAATCAGATA  
 AGAAAAACACCTTGAATGCTCAAGAGTTAGAAGAATGTATATTTCTTTGAAGAGAGCTCCAGTTTA  
 TGAGATTTGATGGCAATACATTAATAAACTACTCATGTGGTGAATCTTGAAGCAACCAAGTACCTTTTCT  
 CTGTATAGTGGATCCTAAAGAAATGCCCTGCTTCTGTTTGCGCCATGATGTTGATGCCCTACTCTGGCA  
 ACCACACTCCAGCAAACAAGATGATATGTGGGAGCACATCGCAACTTTCAATGCTTTAGGCTATGTCCAA  
 GCATCAAAGAGAGACAAAAATTTTTGCCTGTGCTCAAATTAAGTATGAGCCCTTTGTGAGTGCC  
 TTCGTCGAGTATTCATCTATCGTCAGCCTGCTCCCATGTCCACTGTACTTTACAACAGAAAGGAAGGCAG  
 GCAAGTAGGACAGGTTGCTAAGCAGCAAGTAGCAAGCCTAGAAACCAATGATCCTATTTTAGGATTTGAG  
 GCAACAAATGAGAGATTATTTGTTCTTACTACAAAAACCTCTTTTAAATAAAAGTAAATACAGAGAAT

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG208191 representing NM\_032869  
 Red=Cloning site Green=Tags(s)

MEVAANCSLRVLRPLLDPRFEGYKLSLEPLPCYQLELDAVAEVKLRDDQYTLHMHAFGMNYLHCD  
 YQDSVYYIDTLGRIMNLTVMLDLALGKPREVFRPTDLTACDNRLCASIHFSSTWVTLSDGTGRLYVIG  
 TGERGNSASEKWEIMFNEELGDPFIIHISLNAEEHSIATLLLRIEKEELDMKSGFYVSLWVTISK  
 KNQDNKKYEIIKRDILRGKSVPHYAAIEPDGNLMIVSYKSFTFVQAGQDLEENMDEVDSEKIKEPLYYW  
 QQTEDDLTVTIRLPEDSTKEDIQIQLPDHINIVLKDHFLEGLYSSIDHESSTWIIKESNSLEISLIK  
 KNEGLTWPELVIGDKQGELIRDSAQCAAIAERLMHLTSEELNPNPDKKPPCNAQLEECDIFFEESSSL  
 CRFDGNTLKTTHVVNLGSNQYLF SVIVDPKEMPCFLRHDVDALLWQPHSSKQDDMWEHIATFNALGYVQ  
 ASKRDKKFFACAPNYSYAAALCECLRRVFIYRQPAPMSTVLYNRKEGRVGVQVAKQVQVASLETNDPILGFQ  
 ATNERLFVLTTKNLFLLIKVNTEN

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_032869

**ORF Size:** 1749 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\\_032869.2](#), [NP\\_116258.1](#)

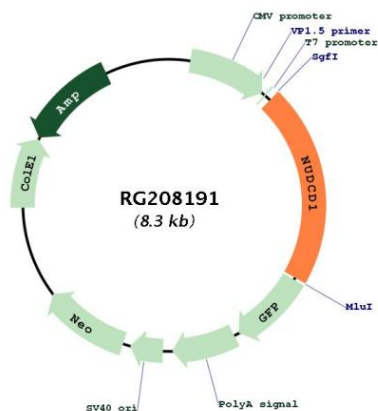
**RefSeq Size:** 3961 bp

**RefSeq ORF:** 1752 bp

**Locus ID:** 84955

UniProt ID: [Q96RS6](#)  
 Cytogenetics: 8q23.1  
 Domains: Nuclear\_move  
 Protein Families: Druggable Genome

**Product images:**



Circular map for RG208191