

Product datasheet for **RG225950**

NUDCD1 (NM_001128211) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDCD1 (NM_001128211) 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:

>RG225950 representing NM_001128211
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTTTATCTCCAGGGTTGGAGCATGCCTGCTGTGGCAGAGGTAAACTTCGAGATGATCAATATACAC
 TGAACACATGCATGCTTTTGAATGTATAATTACCTGCACTGTGATTTCATGGTATCAAGACAGTGTCTA
 CTATATTGATACCCTTGGAAGAATTATGAATTTAACAGTAATGCTGGACACTGCCTTAGGAAAAACACGA
 GAGGTGTTTCGACTTCTACAGATTTGACAGCATGTGACAACCGTCTTTGTGCATCTATCCATTTCTCAT
 CTTCTACCTGGGTACCTTGTGAGTGAAGTGAAGATTGTATGTCATTGGAACAGGTGAACGTGGAAA
 TAGCGCTTCTGAAAAATGGGAGATTATGTTTAAATGAAGAACTGGGGATCCTTTTATTATAATTCACAGT
 ATCTCACTGCTAAATGCTGAAGAACATTCTATAGCTACCTACTTCTCGAATAGAGAAAGAGGAATTGG
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 AAAATATGAAATTATTAAGCGTGATATTCTCCGTGGAAGTCAGTGCCACATTATGCTGCTATTGAGCCT
 GATGGAATGGTCTAATGATTGTATCCTACAAGCTTTAACATTTGTTTCAGGCTGGTCAAGATCTTGAAG
 AAAATATGGATGAAGACATATCAGAGAAAAATCAAGAACCTCTGTATTACTGGCAACAGACTGAAGATGA
 TTTGACAGTAACCATACGGCTTCCAGAAGACAGTACTAAGGAGGACATTCAAATACAGTTTTTGCCTGAT
 CACATCAACATTGTACTGAAGGATCACCAGTTTTTAGAAGGAAAACTCTATTCATCTATTGATCATGAAA
 GCAGTACATGGATAATTAAGAGAGTAATAGCTTGGAGATTTCTTGATTAAGAAGAAATGAAGGACTGAC
 CTGGCCAGAGCTAGTAATTGGAGATAACAAGGGGAACCTATAAGAGATTCAAGCCAGTGTGCTGCAATA
 GCTGAACGTTTGATGCATTTGACCTCTGAAGAACTGAATCCAAATCCAGATAAAGAAAAACACCTTGCA
 ATGCTCAAGAGTTAGAAGAATGTGATATTTCTTTGAAGAGAGCTCCAGTTTATGCAGATTTGATGGCAA
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 AAAGAAATGCCCTGCTTCTGTTTGCCTCATGATGTTGATGCCCTACTCTGGCAACCACTCCAGCAAAAC
 AAGATGATATGTGGGAGCACATCGCAACTTTCAATGCTTTAGGCTATGTCCAAGCATCAAAGAGAGACAA
 AAAATTTTTTGCCTGTGCTCCAAATTACTCGTATGCAGCCCTTTGTGAGTGCCTTCGTCGAGTATTCATC
 TATCGTCAGCCTGCTCCCATGTCCACTGTACTTTACAACAGAAAGGAAGGCAGGCAAGTAGGACAGGTTG
 CTAAGCAGCAAGTAGCAAGCCTAGAAACCAATGATCCTATTTTAGGATTTCAAGCAACAAATGAGAGATT
 ATTTGTTCTTACTACAAAAACCTCTTTTAATAAAAGTAAATACAGAGAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

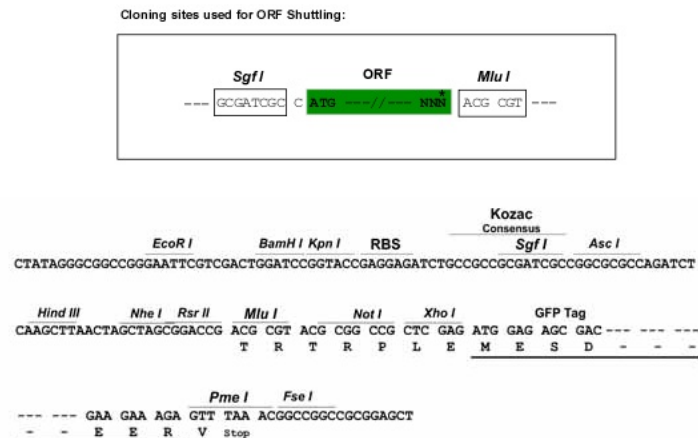
>RG225950 representing NM_001128211
 Red=Cloning site Green=Tags(s)

MLYLQGSMPAFAEVKLRRDQYTLHMHAFGMNYLHCDSWYQDSVYYIDTLGRIMNLTVMLDTALGKPR
 EVFRLPTDLTACDNRLCASIHFSSSTWVTLSDGTGRLYVIGTGERGNSASEKWEIMFNEELGDPFIIHS
 ISLLNAEEHSIATLLLRIEKEELDMKSGFYVSLEWVTISKKNQDNKKYEIIKRDILRGKSVPHYAAIEP
 DGNGLMIVSYKSLTFVQAGQDLEENMDEISEKIKEPLYWQQTEDDLTVTIRLPEDSTKEDIQIQFLPD
 HINIVLKDHFLEGLYSSIDHESSTWIIKESNSLEISLIKNEGLTWPELVIGDKQGEIRDSAQCAAI
 AERLMHLTSEELNPNPDKEKPPCNAQELEECDIFFEESSLCRFDGNTLKTTHVNLGSNQYLFVIVDP
 KEMPCFCLRHVDALLWQPHSSKQDDMWEHIATFNALGYVQASKRDKKFFACAPNYSYAALCECLRRVFI
 YRQPAPMSTVLNKRQGRVQVAKQVASLETNDPILGFQATNERLFVLTTKNLFLIKVTEN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001128211

ORF Size: 1662 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.

RefSeq: [NM_001128211.1](#), [NP_001121683.1](#)

RefSeq Size: 3865 bp

RefSeq ORF: 1665 bp

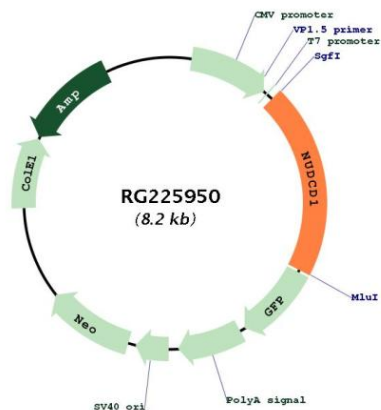
Locus ID: 84955

UniProt ID: [Q96RS6](#)

Cytogenetics: 8q23.1

Protein Families: Druggable Genome

Product images:



Circular map for RG225950