

Product datasheet for **RG206108**

CNTD (CNTD1) (NM_173478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTD (CNTD1) (NM_173478) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNTD
Synonyms:	CNTD; COSA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206108 representing NM_173478 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGACCCATGAGGCCACGATCGGCCTCCCTCGTTGACTTTCAGTTTGGAGTTGTCGCCACAGAGA
CGATTGAAGACGCCCTGCTTCACTTGGCCAGCAGAATGAGCAAGCAGTGAGGGAGGCTTCGGGGCGGCT
GGGCCGCTTCAGGGAGCCCCAGATCGTGGAGTTTGTCTTCTCCTGTCTGAACAATGGTGTCTGGAGAAA
TCTGTGAGCTACCAGGCTGTAGAAATCCTAGAAAGTTTATGGTAAAACAGGCAGAGAACATCTGCAGGC
AAGCCACAATCCAGCCAAGAGATAATAAGAGAGAGTCTCAGAATTGGAGGGCTCTGAAACAGCAGCTTGT
CAACAAGTTTACTCTCCGTCTTGTGTCACTGTGTTGAGCTGGCCAGCAAACCTTCTCTCCGAAACAAATA
ATCAGCAACATTACAGTCTTGAATTTCTCCAGGCTCTAGGCTATCTACACACTAAAGAAGAACTGCTGG
AATCAGAGCTTGATGTTTTGAAGTCCTTGAACCTCCGAATTAATCTGCCCACTCCCTGGCATATGTGGA
GACGCTCCTAGAGGTTTTAGGATACAATGGCTGTTTGGTTCCAGCCATGAGGCTGCATGCAACCTGCCTG
ACACTGCTCGACCTGGTCTATCTTCTGCATGAACCATATATGAGAGCCTGTTGAGGGCTTCAATTGAGA
ACTCCACTCCCAGTCAGCTGCAAGGGGAAAAGTTTACTTCAGTGAAGGAAGACTTCATGCTGTTGGCAGT
AGGAATCATTGCAGCAAGTGCTTTCATCCAAAACCATGAGTGTGGAGCCAGGTTGTGGGGCATTTCAG
AGCATCACTGGTATTGCCTTGGCAAGCATTGCTGAGTTCTTTATGCAATCCTGACTCACGGAGTGGGAG
CCAACACTCCGGGGAGACAGCAGTCTATTCTCCCCACCTGGCAGCCAGAGCTCTGAAGACTGTTGCTTC
CTCTAACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206108 representing NM_173478
 Red=Cloning site Green=Tags(s)

MDGPMRPRSASLVDFQFGVVATETIEDALLHLAQNEQAVREASGRLGRFREPQIVEFVFLSEQWCLEK
 SVSYQAVEILERFMVKQAENICRQATIQPRDNKRESQNRALKQQLVNKFTLRLVSCVQLASKLSFRNKI
 ISNITVLNFLQALGYLHTKEELLESELDVLKSLNFRINLPTLAYVETLLEVLGYNGCLVPAMRLHATCL
 TLLDLVYLLHEPIYESLLRASIENSTPSQLQGEKFTSVKEDFMLLAVGIIAASAFIQNHECWSQVVGHLLQ
 SITGIALASIAEFSYAILTHGVGANTPGRQQSIPPHLAARALKTVASSNT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173478

ORF Size: 990 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_173478.3](#)

RefSeq Size: 2241 bp

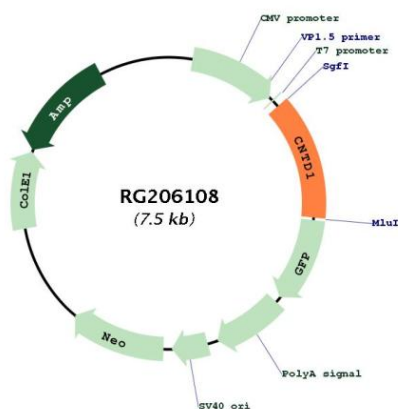
RefSeq ORF: 993 bp

Locus ID: 124817

UniProt ID: [Q8N815](#)

Cytogenetics: 17q21.2-q21.31

Product images:



Circular map for RG206108