

Product datasheet for **MG204955**

Cntd1 (BC006866) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntd1 (BC006866) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cntd1
Synonyms:	4921513J16Rik, MGC11788, Cntd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204955 representing BC006866 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAATATGGAAGGACCCTTGAGGCCAGGCTGGTGAAGTGTAGTGACTTTCAGTTCGGAGTGGTTACCA
CAGAGACTATCGAAAACGCCCTGCTTCACTTGGCCAGCAGAACGAGCAAGCCGTAAGGAGGCTGCGGG
ACGGACGGGCAGCTTCAGGGAGACCCGGATCGTGGAGTTGTTTTCTCCTGTCTGAACAATGGTGTCTG
GAGAAATCGGTGAGCTACCAGGCTGTAGAAATCCTAGAAAGATTCATGCTGAAGCAGGCAGAGGACATCT
GTCGGCAAGCCCACTCCAGCTGAGAGGTAAGACACAGAGCTGCAGAGCTGGAGGGCTATGAAAGAGCA
GCTTGTCAACAAGTTCATCCTCCGATTGGTGTCTGTGTTTCAGCTGGCCAGCAAAGTGTCTTCCACTAC
AAAATTGTGAGCAACATTACAGTCTGAATTCCTCCAGGCTCTGGGTTATGTACACACCAAGAAGAAC
TGCTGGAGTCAGAGCTCGATATTTGAAGTCCCTGAAGTTCCTCAAATAAATCTGCCCACTCCTCTGGCATA
TGTGGAGATGCTCCTGAAGTCCTAGGGTACAATGGCTGTTTGGTCCCTGCCACACAACATACATGCAACT
TGTCTGACCCCTCGACCTGGTCTATCTTCTGCATGAACCCATCTATGAGAGCCTATTGAGAGCTTCAA
TTGAGAATTCTACACCCAGTCAGCTGCAGGGGGAAAAGTTTCTCTGTGAAGGAAGACTTTATGCTCTT
GGCAGTTGGAATCATTGCGGCGAGTGCCTTCATCCAAAACCATGAATGCTGGAGCCAGGTTATAGGGCAC
TTGCAGAGCATCACTGGCATTGCCTCGGAAAGCATTGCTGAGTTCTTACGCAATCCTGACTCACAGCG
TGGGAGCAAACACTCCTGGGCCACAGCAGCTGTTCCCAAGGAGCCAGAGCTCTGAGGACTGCTGC
CGCTGCCGCTTCTCTAACACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204955 representing BC006866
Red=Cloning site Green=Tags(s)

MNMEGPLRPRLVNCSDFFQGVVTTETIENALLHLAQNEQAVKEAAGRTGSFRETRIVEFVFLLEQWCL
 EKSVSYQAVEILERFMLKQAEDICRQATLQLRGKDTLQSWRAMKEQLVNKFILRLVSCVQLASKLSFH
 KIVSNITVLNFLQALGYVHTKEELLESELIDILKSLNFQINLPTPLAYVEMLLEVLGYNGCLVPATQLHAT
 CLTLDDLVLVYLLHEPIYESLLRASIENSTPSQLQGEKFLSVKEDFMLLAVGIIAASAFIQNHECWSQVIGH
 LQSITGIAESIAEF SYAILTHSVGANTPGPQQPVPHKAARALRTAAAAASSNT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC006866

ORF Size: 1004 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: [BC006866](#), [AAH06866](#)

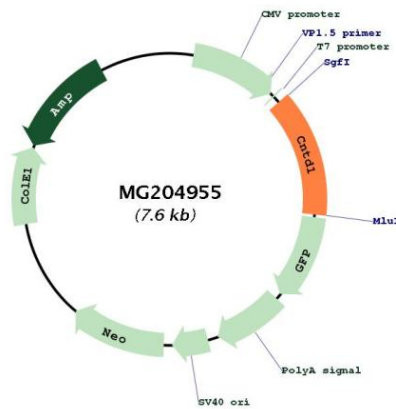
RefSeq Size: 2149 bp

RefSeq ORF: 1004 bp

Locus ID: 68107

Cytogenetics: 11 D

Product images:



Circular map for MG204955