

## Product datasheet for **RG206482**

### **CEND1 (NM\_016564) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CEND1 (NM\_016564) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CEND1  
**Synonyms:** BM88  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206482 representing NM\_016564  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTCCAGAGGGAAGTCAGCCAGCAGCCCCAAGCCCGACACCAAGGTGCCCCAGGTACCACCGAGG  
CCAAGGTACCCCGGCAGCCGATGGGAAAGCCCTTGACCAAGCCCTCGAAGAAGGAGGCCCGGCCGA  
GAAGCAGCAGCCGCCAGCAGCCCCACCACGGCACCTGCCAAGAAGACCTCGGCCAAGGCCGACCTGCC  
CTTCTCAACAACCACAGCAACCTGAAGCCAGCCCCACGGTCCCAGCAGTCCCGATGCAACCCCGGAGC  
CCAAGGGTCTGGGGACGGGGCGGAGGAAGATGAGGCTGCCAGTGGGGGCTGGGGCCGAGGTCCCTG  
GTCTGTGAGAACTTCAACCCCTGCTGGTGGCTGGGGGTGTGGCCGTGGCAGCCATAGCCCTGATTCTC  
GGTGTGGCCTTCTGGTCCGAAAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG206482 representing NM\_016564  
Red=Cloning site Green=Tags(s)

MESRGKSASSPKPDTKVPQVTTEAKVPPAADGKAPLTKPSKEAPAQKQPPAAPTAPAKKTSKADPA  
LLNNHNSNLKPAPTVPSSPDATPEPKGPGDGAEEDEAASGGPGGRGPWSCENFNPLLAVAGGVAVAAIALIL  
GVAFLVRKK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_016564

**ORF Size:** 447 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\\_016564.4](#)

**RefSeq Size:** 1646 bp

**RefSeq ORF:** 450 bp

**Locus ID:** 51286

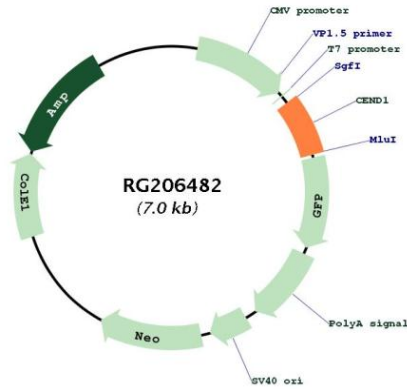
**UniProt ID:** [Q8N111](#)

**Cytogenetics:** 11p15.5

**Protein Families:** Transmembrane

**Gene Summary:** The protein encoded by this gene is a neuron-specific protein. The similar protein in pig enhances neuroblastoma cell differentiation in vitro and may be involved in neuronal differentiation in vivo. Multiple pseudogenes have been reported for this gene. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG206482