

## Product datasheet for **MG216297**

### Cuedc2 (NM\_001164293) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cuedc2 (NM_001164293) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cuedc2
Synonyms:	3010002G01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216297 representing NM_001164293 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTTGGAGAGGATCGTCGGCTCAGCCCTCCTCACCTTCGTTTCAGGCACACCTGCCAGAGGCAGACC  
TCAGTGGCTTGGATGAAGTCATCTTCTCCTATGTGCTTGGGGTCTGGAGGACCTGGGCCCTCAGGACC  
ATCAGAGGAGAACTTTGATATGGAGGCTTCACTGAAATGATGGAGGCTTATGTGCTGGCTTTGCCAC  
ATCCCCAGAGGTATAATAGGAGACATGATGCAGAAGCTCTCGGTGCAGCTGAGCGATGCTAGGAACAAAG  
GTCAGGTGCCATTTTTCCAGAGACCCCGAGGCAAGCTGAAAAGCTCGAAGAAGAGAGCAGGCCTCCCGC  
TGCTCCCGGGAACACCCTAGATGAGGCAGCTGCGGCAGAAGAAGCTGCCAGGAGTCGATGTGCTCCTGGAG  
GTCTTCCCTACCTGCTCTATGGAGCAGGCCAGTGGGTGCTGGCCAAAGCTCGGGGGGACTTGGAGGAAG  
CTGTGCACATGCTGGTAGAGGGCAAGGAAGAGGGGCTCCAGGCTGGGACGGCCCAAGTCAGGACTTGCC  
CAGGCGTCTCAGAGGCCCCCAAAAGGATGACTTGAAGCTTTTCATCCTTCAGAAGTACATGATGGTGGAC  
AGGGCGGAGGACCAGAAGACTCACCGACCTATGGCTCCCAAGGAGGCCCCCAAGAAGCTGATCCGATACA  
TCGACAACCAAGTAGTGAGCACCAAGGGAGAGCGATTCAAAGATGTCCGGAACCTGAGGCCGAGGAGAT  
GAAGGCCACATACATCAACCTCAAGCCGGCCAGAAAGTACCGCTTCCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216297 representing NM\_001164293  
 Red=Cloning site Green=Tags(s)

MELERIVGSALLTFVQAHLPEADLSGLDEVIFSYVLGVLEDLGPSGPSEENFDMEAFTEMMEAYVPGFAH  
 IPRGIIGDMMQKLSVQLSDARNKGQVPIFPETPRQAEKLEESRPPAAPGNTLDEAAAAEELPGVDVLE  
 VFPTCSMEQAQWVLAKARGDLEEAVHMLVEGKEEGPPGWDGSPQDLPRRLRGPQKDDLKSFILQKYYMVD  
 RAEDQKTHRPMAPKEAPKKLIRYIDNQVVSTKGERFKDVRNPEAEEMKATYINLKPARKYRFH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001164293

**ORF Size:** 819 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\\_001164293.1](#), [NP\\_001157765.1](#)

**RefSeq Size:** 1800 bp

**RefSeq ORF:** 822 bp

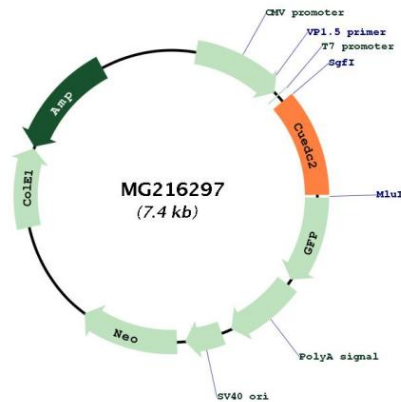
**Locus ID:** 67116

**UniProt ID:** [Q9CXX9](#)

**Cytogenetics:** 19 C3

**Gene Summary:** Controls PGR and ESR1 protein levels through their targeting for ubiquitination and subsequent proteasomal degradation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG216297