

Product datasheet for **MG217818**

Cuedc2 (NM_001164295) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cuedc2 (NM_001164295) 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:	>MG217818 representing NM_001164295 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTGGAGAGGATCGTCGGCTCAGCCCTCCTCACCTTCGTTTCAGGCACACCTGCCAGAGGCAGACC
TCAGTGGCTTGGATGAAGTCATCTTCTCCTATGTGCTTGGGGTCTGGAGGACCTGGGCCCTCAGGACC
ATCAGAGGAGAACTTTGATATGGAGGCTTCACTGAAATGATGGAGGCTTATGTGCTGGCTTTGCCAC
ATCCCCAGAGGTATAATAGGAGACATGATGCAGAAGCTCTCGGTGCAGCTGAGCGATGCTAGGAACAAAG
AGACCCCGAGGCAAGCTGAAAAGCTCGAAGAAGAGAGCAGGCCTCCCGCTGCTCCCGGGAACACCCTAGA
TGAGGCAGCTGCGGCAGAAGAACTGCCAGGAGTCGATGTGCTCCTGGAGGTCTTCCCTACCTGCTCTATG
GAGCAGGCCCAAGTGGGTGCTGGCCAAAGCTCGGGGGGACTTGGAGGAAGCTGTGCACATGCTGGTAGAGG
GCAAGGAAGAGGGGCTCCAGGCTGGGACGGCCCAAGTCAGGACTTGCCAGGCGTCTCAGAGGCCCCCA
AAAGGATGACTTGAAGCTTTTCATCCTTCAGAAGTACATGATGGTGGACAGGGCGGAGGACCAGAAGACT
CACCGACCTATGGCTCCAAGGAGGCCCAAGAAGCTGATCCGATACATCGACAACCAAGTAGTGAGCA
CCAAGGGAGAGCGATTCAAAGATGTCCGGAACCCTGAGGCCGAGGAGATGAAGGCCACATACATCAACCT
CAAGCCGGCCAGAAAGTACCGCTTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217818 representing NM_001164295
 Red=Cloning site Green=Tags(s)

MELERIVGSALLTFVQAHLPEADLSGLDEIVFSYVLGVLEDLGPSGPSEENFDMEAFTEMMEAYVPGFAH
 IPRGIIGDMMQKLSVQLSDARNKETPRQAEKLEEE SRPPAAPGNLDEAAAAEELPGVDVLLLEVFP TCSM
 EQAQWVLAKARGDLEEAVHMLVEGKEEGPPGWDGPSQDLPRRLRGPQKDDLKSFILQKYYMVDRAEDQKT
 HRPMPAPKEAPKKLIRYIDNQVVSTKGERFKDVRNPEAEEMKATYINLKPARKYRFH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164295

ORF Size: 798 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_001164295.1](#), [NP_001157767.1](#)

RefSeq Size: 1776 bp

RefSeq ORF: 801 bp

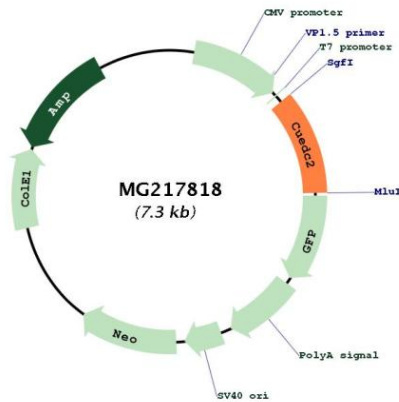
Locus ID: 67116

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 MG217818