

Product datasheet for **MG216274**

Cuedc2 (NM_024192) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cuedc2 (NM_024192) 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:	>MG216274 representing NM_024192 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTGGAGAGGATCGTCGGCTCAGCCCTCCTCGCCTTCGTTTCAGGCACACCTGCCAGAGGCAGACC
TCAGTGGCTTGGATGAAGTCATCTTCTCCTATGTGCTTGGGGTCTGGAGGACCTGGGCCCTCAGGACC
ATCAGAGGAGAACTTTGATATGGAGGCCTTCACTGAAATGATGGAGGCTTATGTGCTGGCTTTGCCAC
ATCCCCAGAGGTATAATAGGAGACATGATCAGAAGCTCTCGGTGCAGCTGAGCGATGCTAGGAACAAAG
AGAACCTGCACCCACAGAGCTCCTGTGTCCAAGGTCAGGTGCCATTTTTCCAGAGACCCCGAGGCAAGC
TGAAAAGCTCGAAGAAGAGAGCAGGCCTCCCGTCTCCCGGGAACACCTTAGATGAGGCAGCTGCGGCA
GAAGAAGTGCAGGAGTCGATGTCTCCTGGAGGTCTTCCCTACCTGCTCTATGGAGCAGGCCAGTGGG
TGCTGGCCAAAGCTCGGGGGACTTGGAGGAAGCTGTGCACATGCTGGTAGAGGGCAAAGAAGAGAGGCC
TCCAGGCTGGGACGGCCCAAGTCAGGACTTGCCAGGCGTCTCAGAGGCCCCCAAAGGATGACTTGAAG
TCTTTCATCCTTCAGAAGTACATGATGGTGGACAGGGCGGAGGACCAGAAGACTCACCGACCTATGGCTC
CCAAGGAGGCCCAAGAAGCTGATCCGATACATCGACAACCAAGTAGTGAGCACCAGGGAGAGCGATT
CAAAGATGTCCGGAACCTGAGGCCGAGGAGATGAAGGCCACATACATCAACCTCAAGCCGCGCAGAAAG
TACCGCTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216274 representing NM_024192
 Red=Cloning site Green=Tags(s)

MELERIVGSALLAFVQAHLPEADLSGLDEVIFSYVLGVLEDLGPSGPSEENFDMEAFTMEMEAYVPGFAH
 IPRGIIGDMMQKLSVQLSDARNKENLHPQSSCVQGVPIFPETPRQAEKLEEEESRPPAAPGNTLDEAAAA
 EELPGVDVLLLEVFP TCSMEQAQWVLAKARGDLEEAVHMLVEGKEERPPGWDGPSQDLPRRLRGPQKDDLK
 SFILQKYYMMVDRAEDQKTHRPMAPKEAPKKLIRYIDNQVVSTKGERFKDVRNPEAEEMKATYINLKPARK
 YRFH

TRTRPLE - GFP Tag - V

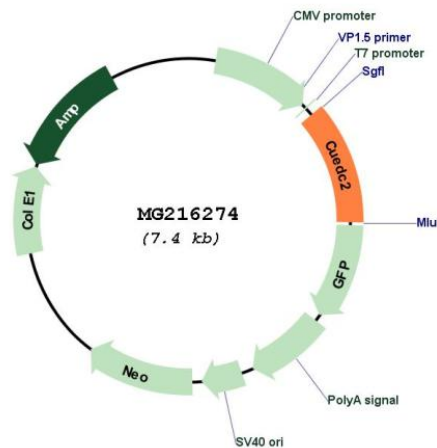
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_024192

ORF Size: 852 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_024192.1](#)

RefSeq Size: 1932 bp

RefSeq ORF: 855 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]