

Product datasheet for MR203860

Cuedc2 (NM_001164290) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cuedc2 (NM_001164290) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cuedc2
Synonyms:	3010002G01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203860 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTGGAGAGGATCGTCGGCTCAGCCCTCCTCACCTTCGTTTCAGGCACACCTGCCAGAGGCAGACC
TCAGTGGCTTGGATGAAGTCATCTTCTCCTATGTGCTTGGGGTCTGGAGGACCTGGGCCCTCAGGACC
ATCAGAGGAGAACTTTGATATGGAGGCTTCACTGAAATGATGGAGGCTTATGTGCTGGCTTTGCCAC
ATCCCCAGAGGTATAATAGGAGACATGATGCAGAAGCTCTCGGTGCAGCTGAGCGATGCTAGGAACAAAG
AGAACCTGCACCCACAGAGCTCCTGTGTCCAAGGTCAGGTGCCATTTTTCCAGAGACCCCGAGGCAAGC
TGAAAAGCTCGAAGAAGAGAGCAGGCCTCCCGTCTCCCGGGAACACCTTAGATGAGGCAGCTGCGGCA
GAAGAAGTGCAGGAGTCGATGTCTCCTGGAGGTCTTCCCTACCTGCTCTATGGAGCAGGCCAGTGGG
TGCTGGCCAAAGCTCGGGGGGACTTGGAGGAAGCTGTGCACATGCTGGTAGAGGGCAAGGAAGAGGGGCC
TCCAGGCTGGGACGGCCCAAGTCAGGACTTGCCAGGCGTCTCAGAGGCCCCAAAGGATGACTTGAAG
TCTTTCATCCTTCAGAAGTACATGATGGTGGACAGGGCGGAGGACCAGAAGACTCACCGACCTATGGCTC
CCAAGGAGGCCCAAGAAGCTGATCCGATACATCGACAACCAAGTAGTGAGCACCAGGGAGAGCGATT
CAAAGATGTCCGGAACCTGAGGCCGAGGAGATGAAGGCCACATACATCAACCTCAAGCCGCGCCAGAAAG
TACCGCTTCCAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203860 protein sequence
 Red=Cloning site Green=Tags(s)

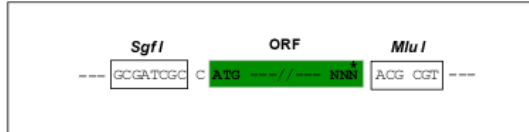
MELERIVGSALLTFVQAHLPEADLSGLDEIVFSYVLGVLEDLGPSGPSEENFDMEAFTEMMEAYVPGFAH
 IPRGIIGDMMQKLSVQLSDARNKENLHPQSSCVQGQVPIFPETPRQAELKEEESRPPAAPGNTLDEAAAA
 EELPGVDVLLLEVFP TCSMEQAQWVLAKARGDLEEAVHMLVEGKEEGPPGWDGPSQDLPRRLRGPQKDDLK
 SFILQKYYMMVDRAEDQKTHRPMAPKEAPKKLIRYIDNQVVSTKGERFKDVRNPEAEEMKATYINLKPARK
 YRFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001164290

ORF Size: 852 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_001164290.1](#), [NP_001157762.1](#)

RefSeq Size: 1941 bp

RefSeq ORF: 855 bp

Locus ID: 67116

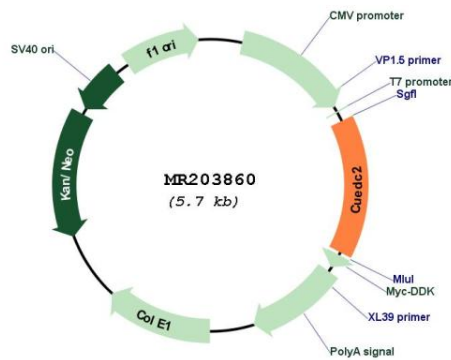
UniProt ID: [Q9CXX9](#)

Cytogenetics: 19 C3

MW: 31.9 kDa

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 MR203860