

Product datasheet for **RG200790**

CUEDC2 (NM_024040) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUEDC2 (NM_024040) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CUEDC2
Synonyms:	bA18I14.5; C10orf66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200790 representing NM_024040 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGGAGAGGATCGTCAGTGCAGCCCTCCTTGCCTTTGTCCAGACACACCTCCCGAGGCCGACC
TCAGTGGCTTGGATGAGGTCATCTTCTCCTATGTGCTTGGGGTCTGGAGGACCTGGGCCCTCGGGCCC
ATCAGAGGAGAACTTCGATATGGAGGCTTTCAGTGCAGATGATGGAGGCCTATGTGCTGGCTTCGCCAC
ATCCCCAGGGGCACAATAGGGGACATGATGCAGAAGCTCTCAGGGCAGCTGAGCGATGCCAGGAACAAG
AGAACCTGCAACCGCAGAGCTCTGGTGTCCAAGGTCAGGTGCCATCTCCCAGAGCCCCGCAGCGGCC
CGAAATGCTCAAAGAAGAGACTAGGTCTTCGGCTGCTGCTGCTGCAGACACCCAAGATGAGGCAACTGGC
GCTGAGGAGGAGCTTCTGCCAGGGGTGGATGTAAGTCTGAGGTTCCCTACCTGTTCCGTTGGAGCAGG
CCCAGTGGGTGCTGGCCAAAGCTCGGGGGGACTTGAAGAAGCTGTGCAGATGCTGGTAGAGGAAAGGA
AGAGGGGCTGCAGCCTGGGAGGGCCCCAACAGGACCTGCCAGACGCCTCAGAGGCCCAAAAGGAT
GAGCTGAAGTCTTCATCCTGCAGAAGTACATGATGGTGGATAGCGCA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200790 representing NM_024040
 Red=Cloning site Green=Tags(s)

MELERIVSAALLAFVQTHLPEADLSGLDEVIFSYVLGVLEDLGPSGPSEENFDMEAFTEMMEAYVPGFAH
 IPRGTIGDMMQKLSGQLSDARNKENLQPQSSGVQGVPI SPELQRPEMLKEETRSSAAAAADTQDEATG
 AEEELLPGVDVLLLEVFP TCSVEQAQWVLAKARGDLEEAVQMLVEGKEEGPAAWEGPNQDLPRRLRGFQKD
 ELKSFILQKYYMMVDSA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024040

ORF Size: 678 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_024040.1](#), [NP_076945.1](#)

RefSeq Size: 1203 bp

RefSeq ORF: 864 bp

Locus ID: 79004

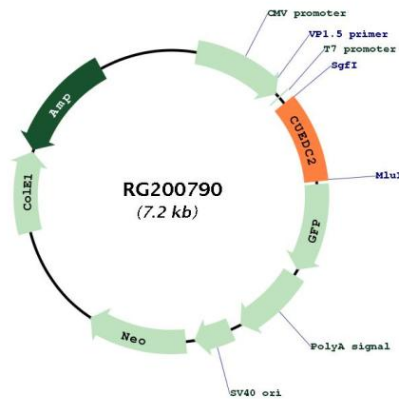
UniProt ID: [Q9H467](#)

Cytogenetics: 10q24.32

Domains: CUE

Gene Summary: Down-regulates ESR1 protein levels through the ubiquitination-proteasome pathway, regardless of the presence of 17 beta-estradiol. Also involved in 17 beta-estradiol-induced ESR1 degradation. Controls PGR protein levels through a similar mechanism. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200790