

Product datasheet for **RG233946**

CUEDC1 (NM_001271875) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUEDC1 (NM_001271875) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CUEDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233946 representing NM_001271875 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAGCCTGTTCCGCCGGAGCAGCAGCGGCAGCGCGGGGTGGCACCGCCGGGGCACGCGGGGGCG
GGGAGGCACGGCCGCCCCAGGAGCTCAACAACAGCCGGCCTGCCCGCCAGGTGCGCCGCTGGAGTT
CAACCAGGCCATGGACGACTTCAAGACCATGTTCCCAACATGGATTACGACATCATCGAATGCGTGCTG
CGCGCAACAGCGGCGCTGTGGACGCCACCATCGACCAGCTGCTGCAGATGAACCTGGAGGGCGGTGGCA
GCAGCGGCGGCTCTATGAGGACAGCTCCGACTCGGAGGACAGCATCCCCCGGAGATCTTGAAAGGAC
TTTGAAACCTGATAGCTCGGATGAAGAGCCCCACCTGTGTACTCCCCGCGAGCCTACCACATGCACGTG
TTCGACCGGCCCTACCCTCTGGCTCCCCGACTCCGCCTCCCCGTATCGACGCGCTGGGCTCTGGAGCCC
CTACAAGCCAGAGACGCTATCGGAAGTGAACCCACCACTGCTGGGCAACCTTCCGGATGACTTTCTCCG
CATCCTGCCCCAGCAGCTGGACAGCATACAGGTAACGCTGGGGCCCCAAGCCTGGGAGTGGAGAGGGA
TGTCCACCTGCCATGGCTGGGCCAGGGCCCGAGACCAGGAGAGCCGCTGGAAGCAGTACCTGGAGGACG
AGAGGATCGCGCTTTCTCCTGCAGAACGAGGAGTTCATGAAGGAGCTGCAACGGAACCGGACTTCCTCCT
CGCTCTGGAGAGAGATCGATTGAAATACGAATCCCAGAAATCTAAATCCAGCAGCGTGGCTGTCGGAAC
GACTTTGGCTTTCTCCTCTCCTGTCCAGGAAGTGGCGACGCCAACCCGCTGTGTCTGAAGATGCCTTAT
TCAGGGACAAGCTGAAACACATGGGAAAGTCCACCCGGAGGAACTGTTTGAACCTGCCCGAGCCTTCTC
AGAGAAGACCAAAATGAGGAAGTCAAAGAGGAAACACTTGTTGAAGCATCAGTCGCTGGGGGCTGCCGCG
TCAACAGCCAACCTCCTGGATGATGTGGAGGGCCACGCGTGTGATGAAGACTTCCGGGGCAGGCGTCAGG
AGGCACCAAGGTGGAGGAAGGCTGCGAGAAGGACAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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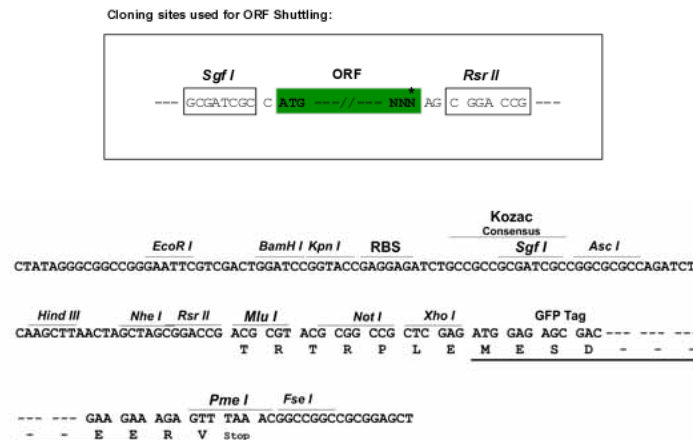
Protein Sequence: >RG233946 representing NM_001271875
 Red=Cloning site Green=Tags(s)

MTSLFRRSSSGSGGGGTAGARGGGGTAAQELNNSRPARQVRRLEFNQAMDDFKTMFPNMDYDIIECVL
 RANSGAVDATIDQLLQMNLEGGSSGGVYEDSSDSSEDSIPPEILERTLEPDSSDEEPPPVYSPAYHMHV
 FDRPYPLAPPTPPRIDALGSGAPTSQRRYRNWNPLLGNLPPDFLRILPQQLDSIQGNAGGPKPGSGEG
 CPPAMAGPGPGDQESRWKQYLEDERIALFLQNEEFMKELQRNRDFLLALERDRLKYESQKSKSSSVAVGN
 DFGFSSPVPGTDANPAVSEDALFRDKLKHMGKSTRRKL FELARAFSEKTKMRKSKRKHLLKHQSLGAAA
 STANLLDDVEGHACDEDFRGRREQAPKVEEGLREGQ

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001271875

ORF Size: 1158 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_001271875.2](#)

RefSeq Size: 3638 bp

RefSeq ORF: 1161 bp

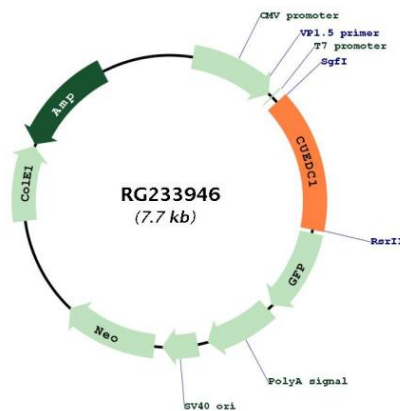
Locus ID: 404093

UniProt ID: [Q9NWM3](#)

Cytogenetics: 17q22

Protein Families: Druggable Genome

Product images:



Circular map for RG233946