

Product datasheet for **RG229802**

CITED2 (NM_001168389) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CITED2 (NM_001168389) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CITED2
Synonyms: ASD8; MRG-1; MRG1; P35SRJ; VSD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229802 representing NM_001168389
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGGACTGGAAATGGCAGACCATATGATGGCCATGAACCACGGGCGCTTCCCCGACGGCACCAATG
 GGCTGCACCATCACCTGCCACCGCATGGGCATGGGCGAGTTCCCGAGCCCCATCACCACCAGCAGCA
 GCAGCCCCAGCACGCCTTCAACGCCCTAATGGGCGAGCACATACACTACGGCGGGCAACATGAATGCC
 ACGAGCGGCATCAGGCATGCGATGGGGCCGGGACTGTGAACGGAGGGCACCCCCGAGCGCGCTGGCC
 CCGCGCCAGGTTTAACAACTCCAGTTCATGGGTCCCCGGTGGCCAGCCAGGGAGGCTCCCTGCCGGC
 CAGCATGCAGCTGCAGAAGCTCAACAACAGTATTTCAACCATCACCCCTACCCCCACAACCACTACATG
 CCGGATTTGCACCCTGCTGCAGGCCACCAGATGAACGGGACAAACCAGCACTTCCGAGATTGCAACCCCA
 AGCACAGCGGGCGGCAGCAGCACCCCCGGCGGCTCGGGCGGCAGCAGCACCCCCGGCGGCTCTGGCAGCAG
 CTCGGGCGGGCGCGGGCAGCAGCAACAGCGGGCGGGCAGCGGCAGCGGCAACATGCCCGCTCCGTG
 GCCACGTCCCCGCTGCAATGCTGCCGCCAATGTCATAGACTGATTTTCATCGACGAGGAAGTTCTTA
 TGTCTTGGTGATAGAAATGGGTTTGGACCGCATCAAGGAGCTGCCCGAACTCTGGCTGGGGCAAACGA
 GTTTGATTTTATGACGGACTTCGTGTGCAAACAGCAGCCAGCAGAGTGAGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG229802 representing NM_001168389
 Red=Cloning site Green=Tags(s)

MSGLEMADHMMAMNHGRFPDGTNGLHHHPAHRMGMGQFPSPHHHQQQPQHAFNALMGEHIHYGAGNMNA
 TSGIRHAMGPGTVNGGHPPSALAPAARFNNSQFMGPPVASQGGSLPASMQLQKLNQYFNHHPYPHNHYM
 PDLHPAAGHQMNGTNQHFRDCNPKHSGGSSTPGGSGGSSTPGGSGSSSGGGAGSSNSGGGSGSNMPASV
 AHVPAAMLPPNVIDTDFIDEEVLMSLVIEMGLDRIKELPELWLQNEFDFMTDFVCKQPSRVSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001168389

ORF Size: 825 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_001168389.2](#), [NP_001161861.2](#)

RefSeq Size: 1780 bp

RefSeq ORF: 828 bp

Locus ID: 10370

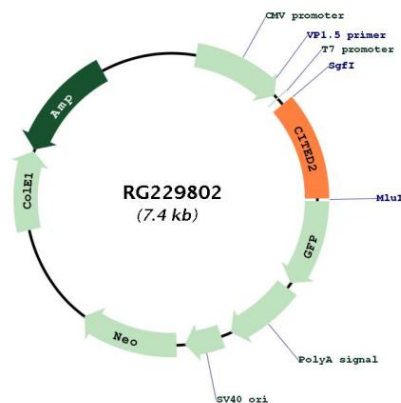
UniProt ID: [Q99967](#)

Cytogenetics: 6q24.1

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene inhibits transactivation of HIF1A-induced genes by competing with binding of hypoxia-inducible factor 1-alpha to p300-CH1. Mutations in this gene are a cause of cardiac septal defects. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

Product images:



Circular map for RG229802