

Product datasheet for SC328439

CITED2 (NM_001168388) Human Untagged Clone

Product data:

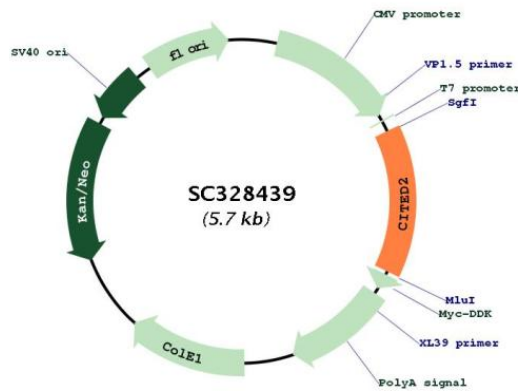
Product Type:	Expression Plasmids
Product Name:	CITED2 (NM_001168388) Human Untagged Clone
Tag:	Tag Free
Symbol:	CITED2
Synonyms:	ASD8; MRG-1; MRG1; P35SRJ; VSD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328439 representing NM_001168388. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCAGACCATATGATGGCCATGAACCACGGGCGCTTCCCCGACGGCACCAATGGGCTGCACCATCAC
CCTGCCACCCGCATGGGCATGGGCAGTTCCCGAGCCCCATCACCACCAGCAGCAGCAGCCCCAGCAC
GCCTTCAACGCCCTAATGGGCGAGCACATACTACGCGCGGGCAACATGAATGCCACGAGCGGCATC
AGGCATGCGATGGGGCCGGGACTGTGAACGGAGGGCACCCCGAGCGCGCTGGCCCCGCGGCCAGG
TTTAACTCCAGTTCATGGGTCCCCGGTGGCCAGCCAGGGAGGCTCCCTGCCGCCAGCATGCAG
CTGCAGAAGCTCAACAACAGTATTTCAACCATACCCCTACCCCAACAACCACTACATGCCGGATTG
CACCCTGCTGCAGGCCACCAGATGAACGGGACAAACCAGCACTTCGAGATTGCAACCCCAAGCACAGC
GGCGGCAGCAGCACCCCGGGCGGCTCGGGCGGCAGCAGCACCCCGGGCGGCTCTGGCAGCAGCTCGGGC
GGCGGCGCGGGCAGCAGCAACAGCGGGCGGCGGCAGCGGCAGCGGCAACATGCCCGCTCCGTGGCCAC
GTCCCCGTGCAATGCTGCCGCCAATGT CATAGACACTGATTTTCATCGACGAGGAAGTTCTTATGTCC
TTGGTGATAGAAATGGGTTTGGACCGCATCAAGGAGCTGCCCGAACTCTGGCTGGGGCAAAACGAGTTT
GATTTTATGACGGACTTCGTGTGCAAACAGCAGCCAGCAGAGTGAGCTGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001168388

Insert Size: 813 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001168388.2](#)

RefSeq Size: 1797 bp

RefSeq ORF: 813 bp

Locus ID: 10370

UniProt ID: [Q99967](#)

Cytogenetics: 6q24.1

Protein Families: Druggable Genome, Transcription Factors

MW: 28.5 kDa

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]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1).