

Product datasheet for **SC116345**

CITED2 (NM_006079) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CITED2 (NM_006079) Human Untagged Clone
Tag:	Tag Free
Symbol:	CITED2
Synonyms:	ASD8; MRG-1; MRG1; P35SRJ; VSD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_006079 edited
 GCCTCGTGCCGAATTCGGCACGAGGCTGCTGAGCCGGTCTGGACGCGACGAGCCCGCC
 TCGGTCTTCGGAGCAGAATTCGCAAAAACGGAAGGACTGGAAATGGCAGACCATATGATG
 GCAATGAACCACGGGCGCTTCCCGACGGCACC AATGGGTGCACCATCACCTGCCAC
 CGCATGGGCATGGGGCAGTTCCCGAGCCCCATCACCACCAGCAGCAGCAGCCCCAGCAC
 GCCTTCAACGCCCTAATGGGCGAGCACATACTACGGCGGGCAACATGAATGCCACG
 AGCGGCATCAGGCATGCGATGGGGCCGGGACTGTGAACGGAGGGCACCCCCGAGCGCG
 CTGGCCCCCGCGCCAGGTTTAACTCCAGTTCATGGGTCCCCCGTGGCCAGCCAG
 GGAGGCTCCCTGCCGGCCAGCATGCAGCTGCAGAAGCTCAACAACCAGTATTTCAACCAT
 CACCCCTACCCCAACAACACTACATGCCGGATTTGCACCCTGCTGCAGGCCACCAGATG
 AACGGGACAAACCAGCACTTCCGAGATTGCAACCCCAAGCACAGCGGGCGGAGCAGCACC
 CCCGGCGGCTCGGGCGGAGCAGCAGCCCCGGCGGCTCTGGCAGCAGCTCGGGCGGGC
 GCGGGCAGCAGCAACAGCGGGCGGCGCAGCGGCAGCGCAACATGCCCGCTCCGTGGCC
 CACGTCCCCGCTGCAATGCTGCCGCCAATGTCATAGACTGATTTTCATCGACGAGGAA
 GTTCTTATGTCCTTGGTGATAGAAATGGGTTTGGACCGCATCAAGGAGCTGCCCGAACTC
 TGCTGGGGCAAAACAGTTTGATTTTATGACGACTTCGTGTGCAAACAGCAGCCAGC
 AGAGTGAGCTGTTGACTCGATCGAAACCCCGGCAAGAAATCAAAACCCCAACTTCTTC
 GGCGTGAATTAAGAAACATTCCTTAGACACAGTATCTCACTTTTCAGATCTTGAAAG
 GTTTGAGAACTTGAAACAAAGTAACTATAAACTTGTACAAATGGTTTTAAAAAAAT
 TGCTGCCACTTTTTTCTGTTTTGTTTGTGTTTGTAGCCTTGACATTCACCACCT
 CCCTTAGTAGTTGAAATATCTAGCTCAACTGTTAGATTAATCTTGGCAAACGCTTAATCT
 TTCCCTCACTTTTCCAGTGTCAACTGTTAGATTAATCTTGGCAAACGCTTAATCT
 TGTGGATTTTGTAGATGGTTTCAAATGACTGAAGTGCATTCAGATTTACGAGTGAAGGA
 AAAATTGCATTAGTTGGTTGCATGAACTTCGAAGGGCAGATATTACTGCACAACTGCCA
 TCTCGTTCATTTTTTAACTATGCATTTGAGTACAGACTAATTTTTAAATATGCTAAA
 CTGGAAGATTAACAGATGTGGGCCAACTGTTCTGGATCAGGAAAGTCACTACTGTTTAC
 TTTCAAGTTGGCTGTCCCCCGCGCCCCCCCCACCCCATATGTACAGATGATAATAG
 GGTGTGGAATGTCGTAGTGGCAAACTTTACAGATTTTTATTTTGTCTGTCTTCAA
 CATTTTTGACACTGTGCTAATAGTTATATTCAGTACATGAAAAGATACTACTGTGTTGAA
 AGCTTTTTAGGAAATTTGACAGTATTTTTGTACAAAACATTTTTTGAATAAATACTTG
 TTAATTTATTCTATTTAATTTGCCAATGTCAATAAAAAGTTAAGAAATAAAAAAAAAA
 AACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006079 unedited
 GTAATACGACTCACTATAGGGCGCCGCGCCTCGTGCCGAATTCGGCACGAGGCTGCTGA
 GCCGGTCTGGACGCGACGAGCCCGCCTCGGTCTTCGGAGCAGAATTCGCAAAAACGGA
 AGGACTGGAAATGGCAGACCATATGATGGCAATGAACCACGGGCGCTTCCCGACGGCAC
 CAATGGGCTGCACCATCACCTGCCACCGCATGGGCATGGGGCAGTTCCCGAGCCCCCA
 TCACCACCAGCAGCAGCAGCCCCAGCACGCCTTCAACGCCTAATGGGCGAGCACATACA
 CTACGGCGCGGGCAACATGAATGCCACGAGCGGCATCAGGCATGCGATGGGGCCGGGGAC
 TGTGAACGGAGGGCACCCCCGAGCGGCTGGCCCCGCGGCCAGGTTTAACTCCCA
 GTTCATGGGTCCCCGGTGGCCAGCCAGGGAGGCTCCCTGCCGGCCAGCATGCAGCTGCA
 GAAGCTCAACAACAGTATTTCAACCATCACCCCTACCCCAACAACACTACATGCCGGA
 TTTGCACCCTGCTGCAGGCCACCAGATGAACGGGACANACCAGCACTTCCGAGATTGCAA
 CCCAAGCACAGCGGGCGGAGCAGCAGCCCCGGCGGCTCGGGCGGAGCAGCAGCCCCGG
 CGGCTCTGGCAGCAGCTCGGGCGGCGGGCGGCGAGCAGCACAGCGNCGGGCGGCGAGC
 GGCAGCGGCAACATGGCCGCCTCCGTGGCCACGTNCCCCTGTCATGCTGGCCGCCAAT
 GTCATAGACCCTGATTTTCATCGACCAAGGAAGTTCCTTATGTCCTTGGTAAAAAAAG
 GGGTTTGGACCGCATCAAGGACCTGCCGGAACCTGTCTGGGGCAAAACAGTTTGATTTA
 AGACGAACTTCGGGCA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006079 unedited ACTTTTTTGGACTTGGCAAATAAATAGNATAAATTAACAAGTATTTTTTCAAAAAAGTT TTGTACAAAAATACTGTCAAAATTTCTAAAAAGCTTTCAACACAGTAGTATCTTTTCAT GTACTGAATATACTATTAGCACAGTGTCAAAATGTTGAAGACAGAAACAAAATAAAA TCTGTGAAATGTTGGCCACTGACGACATTCCACACCCTATTATCATCTGTACATATGGGG GTGGGGGGGGCGGCGGGGGGACAGCCAACCTTGAAAGTGAACAGTATGACTTTCCTGATC CAGAACAGTTTGGCCACATCTGTTTAACTTCCAGTTTAGCATATTTTAAAAATTAGTC TGTAAGTCAATGCATAGTTAAAAAATGAAGCGAGATGGCAGTTTGTGCAGTAATATCTG CCTTCGAAGTTCATGCAACCACTAATGCAATTTTCTTTCACTCGTAAATCTGAATG CAGTTCAGTCATTTGAAACCATCTACAAAATCCACAAGATTAAGCAGTTTGCCAAGATTA ATATCTAACAGTTGAGCACTGGAGAAAGTGAGGGAAAGGAGTAAAAACAAACAACGAAAA AGACCAAGTTAGCTAGATATTTCAACTACATAAAGGATGTGGGTGAATGTCAATGCTACA AAAACGAAACATATACAGGATAAAAAAGTGGCAGCAATNTTTTTAATACCAATTTGTAC AAGTTTATAGTTTACTTTGTTTCCAAGTCTCAACCTTTCAAGATCTGAAAAGTGAGAT ACTGTGTCTAAGGGATGTTTCTTTTATCCACGCCGAAGAGTTGGGGTTTTGATTCTTTCG CAGGGTTTGATCGAGTACAGCTACTCTGCTGGCTGCTGTTGACACGAATCCGTCTAAAT CAAACTGTTTGCCACCAAAAGTTCGGCACTCCTGATGCGTCAAACCATTTTATACCAGAC TAAACTCTCCATAAAN
Restriction Sites:	NotI-NotI
ACCN:	NM_006079
Insert Size:	1910 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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_006079.3, NP_006070.2</u>
RefSeq Size:	1930 bp
RefSeq ORF:	813 bp
Locus ID:	10370
UniProt ID:	<u>Q99967</u>
Cytogenetics:	6q24.1
Domains:	CITED

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]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same isoform (1).