

Product datasheet for **SC328440**

CITED2 (NM_001168389) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CITED2 (NM_001168389) 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)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168389, the custom clone sequence may differ by one or more nucleotides ATGGCAGACCATATGATGGCCATGAACCACGGGCGCTTCCCCGACGGCACCAATGGGCTG CACCATACCCTGCCACCGCATGGGCATGGGGCAGTTCCTGAGCCCCATCACCACCAG CAGCAGCAGCCCCAGCACGCCTTCAACGCCCTAATGGGCGAGCACATACTACGCGCG GGCAACATGAATGCCACGAGCGGCATCAGGCATGCGATGGGGCCGGGACTGTGAACGGA GGGCACCCCCGAGCGCGCTGGCCCCGCGGCCAGGTTTAACTCCCAGTTCATGGGT CCCCGGTGGCCAGCCAGGGAGGCTCCCTGCCGGCCAGCATGCAGCTGCAGAAGCTCAAC AACCAGTATTTCAACCATCACCCCTACCCCAACAACACTACATGCCGGATTTGCACCT GCTGCAGGCCACCAGATGAACGGGACAAACCAGCACTTCCGAGATTGCAACCCCAAGCAC AGCGGCGGCAGCAGCACCCTCGGCGGCTCGGGCGGCAGCAGCACCCTCGGCGGCTTGGC AGCAGCTCGGGCGGCGGCGGGCAGCAGCAACAGCGGCGGCGAGCGGCAAGCGCAAC ATGCCCGCTCCGTGGCCACGTCCCCGCTGCAATGCTGCCGCCAATGTCATAGACT GATTTTCATCGACGAGGAAGTTCTTATGTCCTTGGTGATAGAAATGGGTTTGGACCGCATC AAGGAGCTGCCGAACCTGGCTGGGGCAAACGAGTTTATTTATGACGGACTTCGTG TGCAAACAGCAGCCAGCAGAGTGAGCTGTTGA
Restriction Sites:	Please inquire
ACCN:	NM_001168389
Insert Size:	1780 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).



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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:	<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:	NM_001168389.1 , NP_001161861.1
RefSeq Size:	1780 bp
RefSeq ORF:	813 bp
Locus ID:	10370
UniProt ID:	Q99967
Cytogenetics:	6q24.1
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>