

Product datasheet for SC125857

CITED4 (NM_133467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CITED4 (NM_133467) Human Untagged Clone
Tag:	Tag Free
Symbol:	CITED4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_133467 edited</p> <pre> CACTACAGGTTGCGGGCCTTTGTGACCCAGGCTGCGGCCGAAGGTGCCAGTAGTGGG CTGGGCCGGGGCACCAGTCGGGTTTGGTTTTGCTCCGCCCGCCGAGCTGCAGGGACCGC ACGGTGCCCGGGTCTCCCGCCGACAGAGGAGCCGCTGGCCCGGGCCGGGGAGCCGGCGCT GACCACCGCGCGCTGTCCCGCAGGCAGCCGGCCTGCCGCCATGGCCGACCACCTGATGC TCGCCGAGGGCTACCGCCTGGTGCAGAGGCCGCGTCCGCCCGGGCCGCCATGGCCCTC ATGCGCTCCGACTCTGCCGCCGTACGCGGGCCCGGGCCTGGACAGTGGGCTGAGGCCG GGGGGGCTCCGCTGGGGCCGCGCCGCCCGCCCAACCCGGGGCCCTGGCGTACGGGGCCT TCGGGCCCGCGTCTCCTCCAGCCCTTCCGGCCGTGCCTCCGCCGGCCGCGGGCATCG CGCACCTGCAGCCTGTGGCGACGCCGTACCCCGCCGCGCGGGCCGCCCCCAACGCTC CGGGAGGCCCCCGGGCCCGCAGCGGGCCCAAGCGCCGAGCCCGCCCGCCCGCCCGCG ACGCCCTGGGCGCATGGACGCCGAACCTATCGACGAGGAGGCGCTGACGTGCTGGAGC TGGAGCTCGGGTGCACCGCGTGCAGGAGCTGCCCGAGCTTCTCCGGCCAGAGCGAGT TCGACTGCTTCTCGGACTTGGGGTCCGCGCCGCCCGCCGGCTCCGTGAGCTGCTGAGGGC GGCCGGCGCCCGCCGGCGTCCCGGAGAGGAGAAAGGGCCGACTGCCCGCCGACCCCTG CACCCAGCGACTGGGCCCGCGCGCCCTCCGCGAGGGTGGAGGCGGGCTGTGTGCG CAGGGCCCGGACCGGACTGGGACCCTGGCGTCCCTCCAGGCCTGCCTCCTGCGGGAGG ACAGTTTGGCTTCACTTCTGACCCAGCCTCGGCCGTAAGTAAAAGAGACCGGACCA GCTTCAGCTTTGCGACTCTGGTTCTTGATCGTGTCTCTCCCTCGCCGCCCTCTTCC CCCAATCTGAGCATTGCAGGCCTCTGCCTGCTGCCCTCTCTCTCGGATCGGGTCC CCAGAGCCACCATCTCCTGAGCCTCCACCCCGCTGCCTGGGCCCTGTGGTTGCTGGGCC TCCCACCTCAAGGAGGGGAAGTTGTACAGCCGAACCCGTGGAGCAATGCCCTGTCTGG CTCCAAAACCAAAATAAACTGGGTCACCTT </pre>



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5' Read Nucleotide Sequence: >OriGene 5' read for NM_133467 unedited
 NGGGGGCAGGATTCGCTATATTTGTCAATACGCACTTACTATAGGGNCGGACCGCNAAT
 TCGGCACGAGGCACTACAGGTTGCGGGCCTTTGTGACCCAGGCTGCGGCCGCAAGGTGC
 GCAGTAGTGGGCTGGGCCGGGGCACCAGTCGGGTTTGGTTTTGCTCCGCCCGGCCGAGCT
 GCAGGGACCGCACGGTCCCGGGTCTCCCGCCGAGAGGAGCCGCTGGCCCGGGCCGGGG
 GAGCCGGCGCTGACCACCGCGCCTGTCCCGCAGGACGCGGCTGCCGCCATGGCCGA
 CCACCTGATGCTCGCCGAGGGCTACCGCTGGTGCAGAGGCCGCGTCCGCCCGGGCCGC
 CCATGGCCCTCATGCGCTCCGGACTCTGCCGCGTACGCGGGCCCGGGCCTGGACAGTGG
 GCTGAGGCCGCGGGGGCTCCGCTGGGGCCGCCGCCGCCCAACCCGGGGCCCTGGC
 GTACGGGGCCTTCAGGCCCGCTCCTCCTCCAGCCCTTCCGGCCGTGCCTCCGCCGGC
 CGTGGGCATCGCGCACCTGCAGCCTGTGGCGACGCCCTACCCCGCCGCGCGGTCTCACC
 CTCCAACGCTCCGGGAGGCCCCCTGGGCCGAGCCGGCCAAACGCCGAAGCCCCG
 CCGCCCGCGTACCGCTCTGGCGGCATTGGACCCGAACTCCATCGACAAAGAAGG
 CCGCTTACTTCCCCCGAACCTGGAGCCTCTGTGCTGCCACCTCTTTGCCCTACCT
 GGTCCGNAGCCCTCTCCTGGGGCCAGAACCCGAGATCCAACGTCTTCTCGGAATAT
 TGGGGATCCCGCCCTTTTCGATGGGCTTCTGGAGATTGTTTAAAGGGCGCCTGGAGA
 CCCCTTACTCTGTGCCCGAATAGATAAAGGGACTCCACTCCTCCGCCGAN

Restriction Sites: Please inquire

ACCN: NM_133467

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_133467.2](#), [NP_597724.1](#)

RefSeq Size: 1312 bp

RefSeq ORF: 555 bp

Locus ID: 163732

UniProt ID: [Q96RK1](#)

Cytogenetics: 1p35-p34

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this intronless gene belongs to the CITED family of transcriptional coactivators that bind to several proteins, including CREB-binding protein (CBP) and p300, via a conserved 32 aa C-terminal motif, and regulate gene transcription. This protein also interacts with transcription factor AP2 (TFAP2), and thus may function as a co-activator for TFAP2. Hypermethylation and transcriptional downregulation of this gene has been observed in oligodendroglial tumors with deletions of chromosomal arms 1p and 19q, and associated with longer recurrence-free and overall survival of patients with oligodendroglial tumors. [provided by RefSeq, Aug 2011]