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Product datasheet for MC226441

Cited1 (NM_001276474) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cited1 (NM_001276474) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cited1
Synonyms:	AI316840; AU019144; Msg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC226441 representing NM_001276474
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGTGGAGTATACCGACCAACAGGCCCAGCTGGCGGCATCAACTGCCACCGATTTATCGGACTTCT
GCCCAGGCTCTGAAATGCCAACTATGTCGAGGCCTGCACTTGATGTCAAGGGTGGCACCACCTCTGGGAA
GGAGGATGCCAACCAGGAGATGAACTCTCTGGCCTACTCCAACCTTGGAGTGAAGGATCGCAAGGCAGTG
ACTGTCCTGCACTACCCCGGGGTCACCGCAAATGGAGCCAAAGCCAACGGAGTTCCCACTAGCTCCTCTG
GATCGACATCTCCAATAGGCTCTCCTACTGCCACCCCTTCTTCCAAACCCCCATCCTTCAACCTGCATCC
TACCCCTCACCTGATGGCCAGCATGCAGCTTCAGAAGCTTAATAGCCAGTACCAAGGGGCTGCGGCTACT
GCTGCTGCTGCCCTCACTGGTGCAGGCCTACCAGGGGAGGAAGAGCCCATGCAAAACTGGGTCACCGCCC
CTCTGGTAGTGGGAGGGTCTCCGGGATCTGTCTCTCCTCCTGCTGGTGCCCAGAGCCCTGCTCTCATTGA
TTCTGACCCGGTGGATGAGGAGGTGCTGATGTCTCTGGTGGTTGAATTGGGGCTAGACCGAGCCAATGAG
CTTCCCGAGCTGTGGCTGGGGCAGAATGAGTTTGATTTCACTGCAGATTTTCCCTCTGGCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001276474
Insert Size:	696 bp

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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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001276474.1, NP_001263403.1
RefSeq Size:	1020 bp
RefSeq ORF:	696 bp
Locus ID:	12705
UniProt ID:	P97769
Cytogenetics:	X 45.25 cM
Gene Summary:	Transcriptional coactivator of the p300/CBP-mediated transcription complex. Enhances SMAD-mediated transcription by strengthening the functional link between the DNA-binding SMAD transcription factors and the p300/CBP transcription coactivator complex. Stimulates estrogen-dependent transactivation activity mediated by estrogen receptors signaling; stabilizes the interaction of estrogen receptor ESR1 and histone acetyltransferase EP300. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Induces transcription from estrogen-responsive promoters and protection against cell death. Potentiates EGR2-mediated transcriptional activation activity from the ERBB2 promoter. Acts as an inhibitor of osteoblastic mineralization through a cAMP-dependent parathyroid hormone receptor signaling. May play a role in pigmentation of melanocytes. Associates with chromatin to the estrogen-responsive TGF-alpha promoter region in a estrogen-dependent manner. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is longer than isoform a.

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