

Product datasheet for **SC109047**

CTNNBL1 (NM_030877) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNBL1 (NM_030877) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNNBL1
Synonyms:	C20orf33; dj633O20.1; NAP; P14L; PP8304
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC109047 sequence for NM_030877 edited (data generated by NextGen Sequencing)

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ATGGACGTGGGCGAACTTCTGAGCTACCAGCCCAATAGGGGCACAAAACGTCCCCGGGAT
GATGAAGAGGAGGAGCAGAAGATGCGTCGGAAACAACTGGTACTCGAGAACGCGGCCGC
TATCGGGAAGAAGAAATGACTGTGGTGGAGGAAGCGGATGATGACAAAAAAGGCTGCTG
CAGATTATTGACAGAGATGGGGAAGAGGAAGAGGAAGAGGAGGCCATTGGATGAAAGC
TCAGTGAAGAAAATGATCCTCACATTTGAAAAGAGATCATATAAAAACCAAGAATTGCCG
ATTAAGTTTCCAGACAATCCAGAGAAGTTCATGGAATCCGAGCTGGACCTAAATGACATC
ATTCAGGAGATGCACGTGGTGGCCACCATGCCAGACCTGTACCACCTTCTGGTGGAGCTG
AATGCTGTACAGTCGCTTCTCGGCTTGCTCGGACACGATAATACAGATGTGTCCATAGCT
GTGGTCGATTTGCTTCAGGAATTAACAGATATAGACACCCTCCATGAGAGTGAAGAGGGA
GCAGAAGTGCTCATCGATGCTCTGGTGGATGGGCAGGTGGTAGCACTGCTGGTACAGAAT
CTGGAGCGCCTGGATGAGTCTGTGAAAGAGGAGGCAGATGGCGTCCACAACACTCTGGCT
ATTGTGAAAACATGGCTGAGTTCGGCCTGAGATGTGTACAGAGGGTGCCAGCAGGGT
CTTCTACAGTGGCTGTTGAAGAGGCTGAAGGCAAAGATGCCTTTTATGATGCCAACAACTG
TATTGCAGTGAAGTGTGCCATATTGCTCCAGGACAATGATGAAAACAGGGAATTGCTT
GGGAGCTGGATGGAATCGATGTGCTTCTCAGCAGTTATCCGTGTTTAAAGACACAAT
CCCAGCACGGCTGAGGAGCAGGAGATGATGGAGAATCTGTTTGATTCCCTCTGCTCCTGT
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CTCATGCTCAGGGAAAAGAGATCTCCCGGAGCAGTGCCTGAAAGTGTGGACCATGCC
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ACCATCTTTCCCTCTTTATGAAATCTCCAGGAAGATCAAGAAAGTGGGAACCACTGAG
AAGGAACATGAAGAGCATGTCTGTTTCGATCCTGGCTTCCCTCCTCGGAACTGAGAGGG
CAGCAGCGGACCCGGCTTCTGAATAAATCACTGAAAATGACAGTGAAGGTTGACAGA
CTAATGGAGTTGCATTTTAAATATCTGGGTGCAATGCAGGTGGCGGACAAGAAGATTGAA
GGGAAAAACACGACATGGTCCGGCGAGGAGATCATCGACAATGACACCGAGGAGGAG
TTCTACCTCCGGCGCCTGGATGCGGGGCTTTTGTCTCCAGCACATCTGCTACATCATG
GCCGAGATCTGCAATGCCAATGTCCCCAGATTCGCCAGAGGGTTACCAGATCCTAAAC
ATGCGAGGAAGCTCCATCAAAATGTCAGGCATATCATCAAGGAGTATGCAGAGAACATC
GGGACCGCCGGAGCCCGGAGTCCGGGAGAACGAGCAAAAGCGCATCTGGGCTTGCTG
GAGAACTTCTAG
    
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Clone variation with respect to NM_030877.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_030877 unedited

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AGGCTCATTATAGNATACCATTATATAGGCGGCCGCGAAATTCGCACGAGGTGGAGTATT
TGCTGGGCGGGTACCATGGACGTGGGCGAACTTCTGAGCTCCAGCCCAATGGGGCACAA
AACGTCCCGGGATGATGAAGAGGAGGAGCAGAAGATGCGTCGGAAACAACTGGTACTC
GAGAACGCGGCCCTATCGGGTAATAAGAAATGACTGTGGTGGAGGAAGCGGATGATGAC
AAAAAAGGCTGCTGCAGATTATTGACAGAGATGGGGAAGAGGAAGAGGAAGAGGAGGAG
CCATTGGATGAAAGCTCAGTGAAGAAAATGATCCTCACATTTGAAAAGAGATCATATAAA
AACCAAGAATTGCGGATTAAGTTTCCAGACAATCCAGAGAAGTTCATGGAATCCGAGCTG
GACCTAAATGACATCATTAGGAGATGCACGTGGTGGCCACCATGCCAGACCTGTACCAC
CTTCTGGTGGAGCTGAATGCTGTACAGTCGCTTCTCGGCTTGCTCGGACACGATAATACA
GATGTGTCCATAGCTGTGGTTCGATTTGCTTCAGGAATTAACAGATATAGACACCCTCCAT
GAGAGTGAAGAGGAGCAGAAGTCTCATCGATGCTCTGGTGGATGGGCAGGTGGTAGCA
CTGCTGGTACAGAATCTGGAGCGCCTGGATGAGTCTGTGAAAGAAGAGGCAGATGGCGTC
CACAACACTCTGGCTATTGTGAAAACATGAATGATTTCCGGACTGACATGCCTACAGAT
GGTGCCAAAAGGTTCTCCAACAGGGTTCTTCTACCAGCGGCTTGTTAAAAAAGGCTAAA
AGGCAAAATATGCTCTTTTGTAGCCCAACCAAACTTGATTGCAATNGAAGTGCCTGGCC
ATATTTGCTTTCAGGAACAATG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_030877 unedited TTCATCTATGNNACCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTAC CAAAACTAGCTTTAATTTGTCCAAAAGCCACACAGAGTTGTGTAGAACTGATCCTGGGA GGGAAGCTGAGAGAGTCCATGATGCGCAGGGCCAAGGTGCCTCTAGAAGTTCTCCAGCAA GCCCAGGATGCGCTTTTGTCTGTTCTCCGGAACCTCCGGGCTCCGGCCGTCCCGATGTT CTCTGCATACTCCTTGATGATATGCCTGACAATTTTGATGGAGCTTCTCGCATGTTTAG GATCTGGTGAACCCTCTGGCGAATCTGGGGGACATTGGCATTGCAGATCTCGGCCATGAT GTAGCAGATGTGCTGGAGAACAAGAGCCCGCATCCAGGCGCCGAGGTAGAATCCTC CTCGGTGTCATTGTCGATGATCTCTCCTCGCCGACCATGTCGTGTTTTTCCCCTCAAT CTTCTTGTCCGCCACCTGCATTGCACCCAGATATTTAAAATGCAACTCCATTAGTCTGTC AACCTTCTCACTGTCATTTTCAGTGAATTTATTAGAAGCCGGTCCGCTGCTGCCCTCT CAGGTTCCGCAGGAGGAAGCCAGGATCGAACAGACATGCTTTCATGTTCTTCTCAGT GGTTCCCACTTTCTTGATCTTCTGGGAGATTTTCATAAAGAGGGAAAGATGGTTCGTAA GCCAAGAATGTCAACAACTTATGGCAGTTGTCTGTGCCTTCGGGGCCAATCATGGCATG GTCCAGCACTTTTCAGGGCACTGCTCCGGGAGATCTACTTTCCCTGAGCATGAGATTCAT CAGCTGAAGACCTTCGCCCTTTCAGAAGCGCTCACGATTGGAAGTAAAGCATTAGACAGGA GCAGAGGGGATCAACAGATNCTNCATCATCTCCTGGCTCTCAGCCGTGCTGGN
Restriction Sites:	NotI-NotI
ACCN:	NM_030877
Insert Size:	1750 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_030877.3</u> , <u>NP_110517.2</u>
RefSeq Size:	1897 bp
RefSeq ORF:	1692 bp
Locus ID:	56259
UniProt ID:	<u>Q8WYA6</u>
Cytogenetics:	20q11.23
Protein Pathways:	Spliceosome

Gene Summary:

The protein encoded by this gene is a component of the pre-mRNA-processing factor 19-cell division cycle 5-like (PRP19-CDC5L) protein complex, which activates pre-mRNA splicing and is an integral part of the spliceosome. The encoded protein is also a nuclear localization sequence binding protein, and binds to activation-induced deaminase and is important for antibody diversification. This gene may also be associated with the development of obesity. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on the X chromosome. [provided by RefSeq, Jul 2013]
Transcript Variant: This variant (1) encodes the longer isoform (1).