

## Product datasheet for **RC238780**

### CTNNBL1 (NM\_001281495) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNBL1 (NM_001281495) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTNNBL1
Synonyms:	C20orf33; dj633O20.1; NAP; P14L; PP8304
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238780 representing NM\_001281495  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGTCGGAAACAACTGGTACTCGAGAACGCGCCGCTATCGGAAGAAGAAATGACTGTGGTGGAGG  
 AAGCGGATGATGACAAAAAAGGCTGCTGCAGATTATTGACAGAGATGGGGAAGAGGAAGAGGAAGGA  
 GGAGCCATTGGATGAAAGCTCAGTGAAGAAAATGATCCTCACATTTGAAAAGAGATCATATAAAACCAA  
 GAATTGCGGATTAAGTTTCCAGACAATCCAGAGAAGTTTATGAAATCCGAGCTGGACCTAAATGACATCA  
 TTCAGGAGATGCACGTGGTGGCCACCATGCCAGACCTGTACCACCTTCTGGTGGAGCTGAATGCTGTACA  
 GTCGCTTCTCGGCTTCTCGGACACGATAATACAGATGTGTCCATAGCTGTGGTTCGATTTGCTTCAGGAA  
 TTAACAGATATAGACACCCTCCATGAGAGTGAAGAGGGAGCAGAAGTCTCATCGATGCTCTGGTGGATG  
 GGCAGGTGGTAGCACTGCTGGTACAGAATCTGGAGCGCCTGGATGAGTCTGTGAAAGAGGAGGCAGATGG  
 CGTCCACAACACTCTGGCTATTGTGAAAACATGGCTGAGTTCGGCCTGAGATGTGTACAGAGGGTGCC  
 CAGCAGGGTCTTCTACAGTGGCTGTTGAAGAGGCTGAAGGCAAAGATGCCTTTTATGATGCCAACAACTGT  
 ATTGCAGTGAAGTCTGGCCATATTGCTCCAGGACAATGATGAAAACAGGGAATTGCTTGGGGAGCTGGA  
 TGGAAATCGATGTGCTTCTCAGCAGTTATCCGTGTTTAAAAGACACAATCCCAGCACGGCTGAGGAGCAG  
 GAGATGATGGAGAATCTGTTGATTCCCTCTGCTCCTGTCTAATGCTTAGTTCCAATCGTGAAGCGCTTCC  
 TGAAGGGCGAGGGTCTTCCAGCTGATGAATCTCATGCTCAGGAAAAGAAGATCTCCCGGAGCAGTGCCCT  
 GAAAGTCTGGACCATGCCATGATTGGCCCCGAAGGCACAGACAACCTGCCATAAGTTTGTGACATTTCT  
 GGCTTACGAACCATCTTCCCTCTTTATGAAATCTCCAGGAAGATCAAGAAAGTGGGAACCACTGAGA  
 AGGAACATGAAGAGCATGTCTGTTGATGCTGCTGCTCCTGCTTCCCTCCTGCGGAACCTGAGAGGGCAGCGGAC  
 CCGGCTTCTGAATAAATCACTGAAAATGACAGTGAAGAGGTTGACAGACTAATGGAGTTGCATTTTAAA  
 TATCTGGGTGCAATGCAGGTGGCGGACAAGAAGATTGAAGGGGAAAAACACGACATGGTCCGGCAGGAG  
 AGATCATCGACAATGACACCGAGGAGGAGTTCTACCTCCGGCGCCTGGATGCGGGGCTCTTTGTTCTCCA  
 GCACATCTGCTACATCATGGCCGAGATCTGCAATGCCAATGTCCCCAGATTGCGCAGAGGGTTCACCCAG  
 ATCCTAAACATGCGAGGAAGCTCCATCAAATTTGTGAGGCATATCATCAAGGAGTATGCAGAGAACATCG  
 GGGACGGCCGGAGCCCGGAGTTCGGGAGAACGAGCAAAGCGCATCTGGGCTTCTGGAGAATCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238780 representing NM\_001281495  
 Red=Cloning site Green=Tags(s)

MRRKQTGTREGRYREEEMTVVEEADDDKKRLLQIIDRDGEEEEEEEEPLDESSVKMILTFEKRSYKNQ  
 ELRIKFPDNPEKFMESELDLNDIIQEMHVATMPDLYHLLVELNAVQSLGLLGHNDTDSI AVVDLLQE  
 LTDIDLHESEEGAEVLIDALVDGQVVALLVQNLERLDES VKEEADGVHNTLAIVENMAEFRPEMCTEGA  
 QQGLLQWLLKRLKAKMPFDANKLYCSEVLAILLQDNENRELLGELDGIDVLLQQLSVFKRHNPTAEEQ  
 EMMENLFDLCSCLMLSSNRERFLKGEGLQLMNLMREKKISRSSALKVLDHAMIGPEGTDNCHKFVDIL  
 GLRTIFPLFMKSPRKIKKVGTTTEKEHEEHVCSILASLLRNLRGQQRTRLLNKFTENDSEKVDRLMELHFK  
 YLGAMQVADKKIEGKHMVRRGEIIDNDEEEFYLRRLDAGLFVLQHICYIMAEICNANVPQIRQRVHQ  
 IILNMRGSSIKIVRHIIEYAENIGDGRSPEFRENEQKRILGLENF

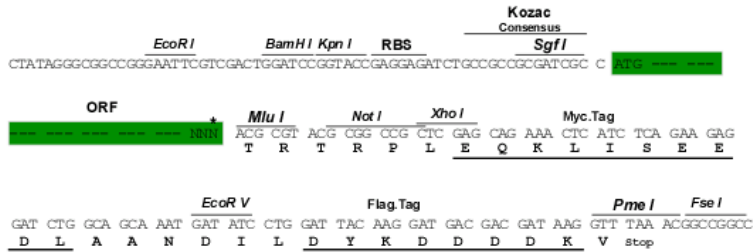
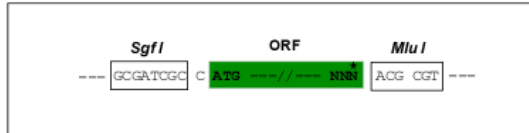
**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

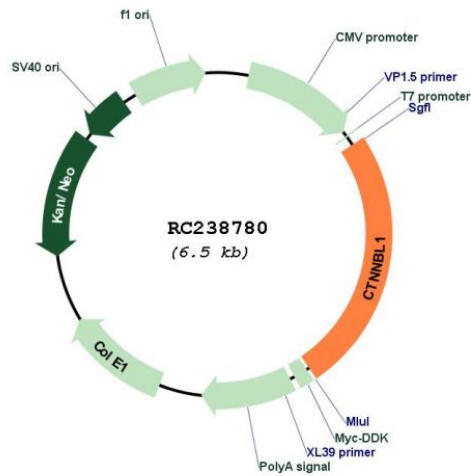
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


<b>ACCN:</b>	NM_001281495
<b>ORF Size:</b>	1608 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001281495.1</a> , <a href="#">NP_001268424.1</a>
<b>RefSeq Size:</b>	2089 bp
<b>RefSeq ORF:</b>	1611 bp
<b>Locus ID:</b>	56259
<b>UniProt ID:</b>	<a href="#">Q8WYA6</a>
<b>Cytogenetics:</b>	20q11.23
<b>Protein Pathways:</b>	Spliceosome
<b>MW:</b>	62.4 kDa
<b>Gene Summary:</b>	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]