

Product datasheet for **RG238780**

CTNNBL1 (NM_001281495) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNBL1 (NM_001281495) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CTNNBL1
Synonyms:	C20orf33; dj633O20.1; NAP; P14L; PP8304
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238780 representing NM_001281495.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCGTCGGAAACAACTGGTACTCGAGAACCGCGCCGCTATCGGAAGAAGAAATGACTGTGGTGGAG
GAAGCGGATGATGACAAAAAAGGCTGCTGCAGATTATTGACAGAGATGGGAAGAGGAAGAGGAAGAG
GAGGAGCCATTGGATGAAAGCTCAGTGAAGAAAATGATCCTCACATTTGAAAAGAGATCATATAAAAAC
CAAGAATTGCGGATTAAGTTTCCAGACAATCCAGAGAAGTTCATGGAATCCGAGCTGGACCTAAATGAC
ATCATTACAGGAGATGCACGTGGTGGCCACCATGCCAGACCTGTACCACCTTCTGGTGGAGCTGAATGCT
GTACAGTCGCTTCTCGGCTTGTCTCGGACACGATAATACAGATGTGTCCATAGCTGTGGTGCATTTGCTT
CAGGAATTAACAGATATAGACACCCTCCATGAGAGTGAAGAGGGAGCAGAAGTGCATCGATGCTCTG
GTGGATGGGCAGTGGTAGCACTGCTGGTACAGAACTGGAGCGCCTGGATGAGTCTGTAAAGAGGAG
GCAGATGGCGTCCACAACACTCTGGCTATTGTGAAAACATGGCTGAGTCCGGCCTGAGATGTGTACA
GAGGGTCCCAGCAGGGTCTTCTACAGTGGCTGTTGAAGAGGCTGAAGGCAAAGATGCCTTTTGATGCC
AACAACTGTATTGCAGTGAAGTCTGGCCATATTGCTCCAGGACAATGATGAAAACAGGGAATTCGCTT
GGGAGCTGGATGGAATCGATGTGCTTCTTCCAGAGTTATCCGTGTTTAAAGACACAATCCCAGCACG
GCTGAGGAGCAGGAGATGATGGAGAATCTGTTGATTCCCTCTGCTCCTGCTAATGCTTAGTTCCAAT
CGTGAGCGCTTCTGAAGGGCGAGGGTCTTCCAGCTGATGAATCTCATGCTCAGGAAAAGAAGATCTCC
CGGAGCAGTGCCTGAAAGTGTGGACCATGCCATGATTGGCCCCGAAGGCACAGACAACGCCATAAG
TTTGTGACATTTTGGCTTACGAACCATCTTCCCTCTTTATGAAATCTCCAGGAAGATCAAGAAA
GTGGGAACCACTGAGAAGGAACATGAAGAGCATGTCTGTTGATCCTGGCTTCCCTCCTGCGAACCTG
AGAGGGCAGCAGCGGACCCGGCTTCTGAATAAATCACTGAAAATGACAGTGAAGGTTGACAGACTA
ATGGAGTTGCATTTTAAATATCTGGGTGCAATGCAGGTGGCGGACAAGAAGATTGAAGGGGAAAAACAC
GACATGGTCCGGCAGGAGAGATCATCGACAATGACACCGAGGAGGAGTTCTACCTCCGGCGCTGGAT
GCGGGGCTCTTTGTTCTCCAGCACATCTGCTACATCATGGCCGAGATCTGCAATGCCAATGTCCCCCAG
ATTCGCCAGAGGGTCCACCAGATCTAAACATGCGAGGAAGCTCCATCAAATTGTGAGGCATATCATC
AAGGAGTATGCAGAGAACATCGGGGACGGCCGGAGCCGGAGTCCGGGAGAACGAGCAAAGCGCATC
CTGGGCTTGTGGAGAATTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238780
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MRRKQTGTREGRYREEEMTVVEEADDDKRLQLIIDRDEEEEEEEPLDESSVKKMILTFEKRSYKN
QELRIKFPDNPEKFMESELDLNDIIQEMHVATMPDLVHLLVELNAVQSLGLLGHNDTDVSIIVDGLL
QELTDIDTLHESEGAEVLIDALVDGQVVALLVQNLERLDESVKEEADGVHNTLAIENMAEFRPEMCT
EGAQQGLLQWLLKRLKAKMPFDANKLYCSEVLAILLQDNDENRELLGELDGDVLLQQLSVFKRHPST
AEEQEMMENLFDLCSCLMLSSNRERFLKGEGLQLMNLMREKISRSSALKVLDHAMIGPEGTDNCHK
FVDILGLRTIFPLFMKSPRKIKKVGTTKEHEEHVCSILASLLRNLRGQQRTRLLNKFTENDSEKVDRL
MELHFYKLGAMQVADKKIEGEKHMVRRGEIIDNDTEEFYLRRLDAGLFVLQHCYIMAEICNAVVPQ
IRQRVHQILNMRGSSIKIVRHIIEYAENIGDRSPEFRENEQKRILGLENF
TRTRPLEMESDESGLPAMEIECRITGLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

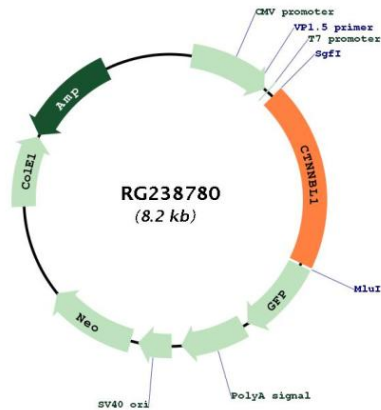
Sgfl-MluI

Cloning Scheme:


- ACCN:** NM_001281495
- ORF Size:** 1608 bp
- OTI Disclaimer:** 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](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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).
- RefSeq:** [NM_001281495.1](#), [NP_001268424.1](#)
- RefSeq Size:** 2089 bp
- RefSeq ORF:** 1611 bp
- Locus ID:** 56259
- UniProt ID:** [Q8WYA6](#)
- Cytogenetics:** 20q11.23
- Protein Pathways:** Spliceosome
- MW:** 62.4 kDa

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]

Product images:

Circular map for RG238780