

## Product datasheet for **RC216082**

### CTNNBIP1 (NM\_020248) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CTNNBIP1 (NM\_020248) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CTNNBIP1  
**Synonyms:** ICAT  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC216082 representing NM\_020248  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGAACCGCGAGGGAGCTCCCGGAAGAGTCCGGAGGAGATGTACATTCAGCAGAAGTCCGAGTGCTGC**  
**TCATGCTGCGGAAGATGGGATCAAACCTGACAGCCAGCGAGGAGGAGTTCCTGCGCACCTATGCAGGGGT**  
**GGTCAACAGCCAGCTCAGCCAGCTGCCTCCGACTCCATCGACCAGGGTGCAGAGGACGTGGTGATGGCG**  
**TTTTCCAGGTCGGAGACGGAAGACCGGAGGCAG**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >RC216082 representing NM\_020248  
Red=Cloning site Green=Tags(s)

MNREGAPGKSPEEMYIQQKVRVLLMLRKMGSNLTASEEEFLRITYAGVVNSQLSQLPPHSIDQGAEDVVMA  
FSRSETEDRRQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

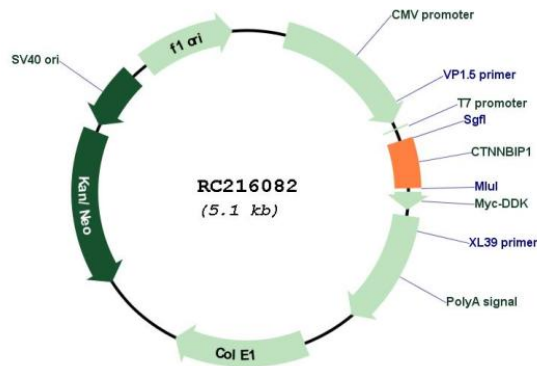
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6484\\_h07.zip](https://cdn.origene.com/chromatograms/mk6484_h07.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

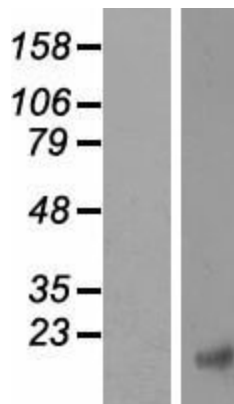
**Plasmid Map:**


ACCN: NM\_020248

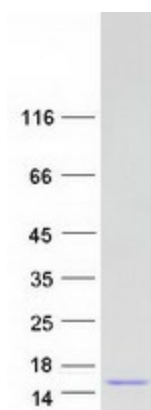
ORF Size: 243 bp

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](#)

<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_020248.3</a>
<b>RefSeq Size:</b>	2995 bp
<b>RefSeq ORF:</b>	246 bp
<b>Locus ID:</b>	56998
<b>UniProt ID:</b>	<a href="#">Q9NSA3</a>
<b>Cytogenetics:</b>	1p36.22
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Wnt signaling pathway
<b>MW:</b>	9 kDa
<b>Gene Summary:</b>	The protein encoded by this gene binds CTNNB1 and prevents interaction between CTNNB1 and TCF family members. The encoded protein is a negative regulator of the Wnt signaling pathway. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

**Product images:**

Western blot validation of overexpression lysate (Cat# [LY412546]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216082 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CTNNBIP1 protein (Cat# [TP316082]). The protein was produced from HEK293T cells transfected with CTNNBIP1 cDNA clone (Cat# RC216082) using MegaTran 2.0 (Cat# [TT210002]).