

Product datasheet for **RC212922**

CTNNBIP1 (NM_001012329) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CTNNBIP1 (NM_001012329) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CTNNBIP1
Synonyms: ICAT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC212922 representing NM_001012329
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCGCGAGGGAGCTCCCGGAAGAGTCCGGAGGAGATGTACATTCAGCAGAAGGTCCGAGTGCTGC
TCATGCTGCGGAAGATGGGATCAAACCTGACAGCCAGCGAGGAGGAGTTCCTGCGCACCTATGCAGGGGT
GGTCAACAGCCAGCTCAGCCAGCTGCCTCCGACTCCATCGACCAGGGTGCAGAGGACGTGGTGATGGCC
TTTTCCAGGTCGGAGACGAAGACCGGAGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212922 representing NM_001012329
Red=Cloning site **Green**=Tags(s)
MNREGAPGKSPEEMYIQKVRVLLMLRKMGSNLTASEEEFLRITYAGVVNSQLSQLPPHSIDQGAEDVVMA
FSRSETEDRRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6484_h07.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001012329

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](#)

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).

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_001012329.2](#)

RefSeq Size: 2961 bp

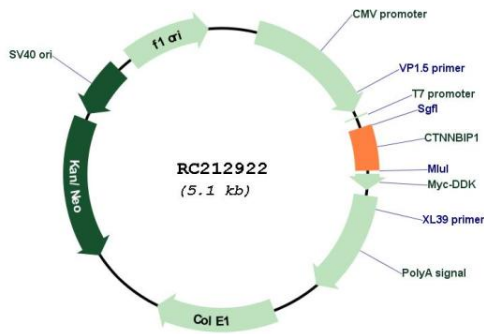
RefSeq ORF: 246 bp

Locus ID: 56998

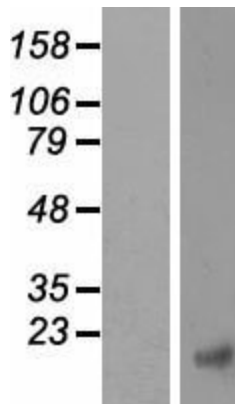
UniProt ID: [Q9NSA3](#)
Cytogenetics: 1p36.22
Protein Families: Druggable Genome, Transcription Factors
Protein Pathways: Wnt signaling pathway
MW: 9 kDa

Gene Summary: 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]

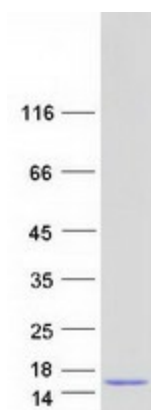
Product images:



Circular map for RC212922



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# [TP312922]). The protein was produced from HEK293T cells transfected with CTNNBIP1 cDNA clone (Cat# RC212922) using MegaTran 2.0 (Cat# [TT210002]).