

## Product datasheet for RC202394

### SYNJ2BP (NM\_018373) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SYNJ2BP (NM_018373) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SYNJ2BP
Synonyms:	ARIP2; OMP25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202394 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGAACGGAAGAGTGGATTATTTGGTCACTGAGGAAGAGATCAATCTTACCAGAGGGCCCTCAGGGCTGG  
GCTTCAACATCGTCGGTGGGACAGATCAGCAGTATGTCTCCAACGACAGTGGCATCTACGTCAGCCGCAT  
CAAAGAAAATGGGGCTGCGGCCCTGGATGGGCGGCTCCAGGAGGGTGATAAGATCCTTTCGGTAAATGGC  
CAAGACCTAAAGAACCTGCTGCACCAGGATGCTGTAGACCTCTTTCGTAATGCAGGCTATGCTGTGTCTC  
TGAGAGTGCAGCACAGGTTACAGGTGCAGAATGGACCTATAGGACATCGAGGTGAAGGGGACCCAAGTGG  
TATTCATATTTATGGTCTGGTGCCAGTGTTTGCCTCACCATGGTAGCAGCCTGGGCTTTCATGAGA  
TACCGGCAACAACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202394 protein sequence  
Red=Cloning site Green=Tags(s)

MNGRVDYLVTEEEINLTRGPSGLGFNIVGGTDQQYVSNDSGIYVSRIKENGAAALDGRLQEGDKILSVNG  
QDLKNLLHQDAVDLFRNAGYAVSLRVQHLQVQNGPIGHRGEGDPSGIPFIMVLVPVFALTMVAAWAFMR  
YRQQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6076\\_a06.zip](https://cdn.origene.com/chromatograms/mk6076_a06.zip)



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_018373

ORF Size: 435 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\\_018373.3](#)

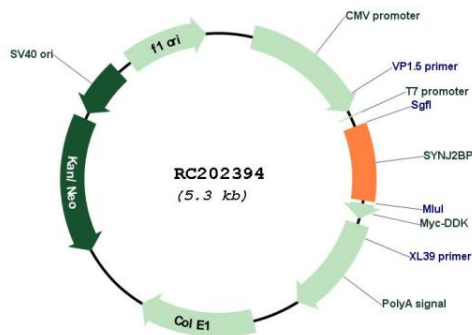
RefSeq Size: 7074 bp

RefSeq ORF: 438 bp

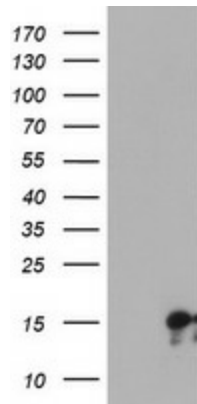
Locus ID: 55333

**UniProt ID:** [P57105](#)  
**Cytogenetics:** 14q24.2  
**Protein Families:** Transmembrane  
**MW:** 15.9 kDa  
**Gene Summary:** Regulates endocytosis of activin type 2 receptor kinases through the Ral/RALBP1-dependent pathway and may be involved in suppression of activin-induced signal transduction. [UniProtKB/Swiss-Prot Function]

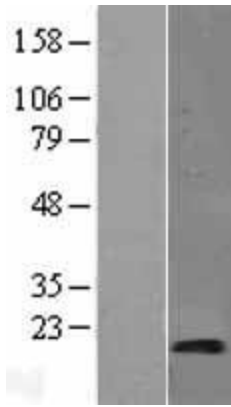
### Product images:



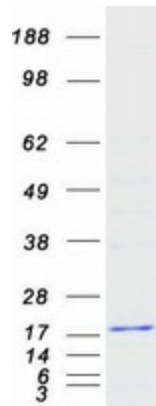
Circular map for RC202394



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SYNJ2BP (Cat# RC202394, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SYNJ2BP (Cat# [TA504051]). Positive lysates [LY402678] (100ug) and [LC402678] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402678]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202394 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SYNJ2BP protein (Cat# [TP302394]). The protein was produced from HEK293T cells transfected with SYNJ2BP cDNA clone (Cat# RC202394) using MegaTran 2.0 (Cat# [TT210002]).