

Product datasheet for MR215747

Synj2bp (NM_025292) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Synj2bp (NM_025292) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Synj2bp
Synonyms: AA409442; ActRIP4; ARIP2; D12Wsu118e; OMP25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215747 representing NM_025292
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGACGGGTGGATTATTTAGTCACGGAGGAAGAGATCAACCTGACGAGAGGACCTTCGGGGCTGG
GCTTCAACATCGTCGGTGGGACAGATCAACAGTATGTCTCCAACGACAGTGGCATCTACGTCAGCCGTAT
CAAAGAGGATGGGGCTGCGGCCAGGATGGCGGCTCCAGGAGGGTGATAAGATCCTCTCGGTAATGCC
CAAGATCTGAAGAACCTGCTGCACCAAGATGCTGTAGACCTCTCCGTAATGCGGGATGTGCTGTGTCCC
TGAGAGTACAGCACAGGTTACCAGTGCAGAATGGACCTATAGTACATCGAGGTGAAGGAGAGCCAAGTGG
AGTTCCTGTAGCTATGGTCTGCTACCAGTGTTGCCCTCACCATGGTAGCAGTTTGGGCCTTCGTGAGA
TACCGAAAGCAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215747 representing NM_025292
Red=Cloning site Green=Tags(s)

MNGRVDYLVTEEEINLTRGPSGLGFNIVGGTDQQYVSNDSGIYVSRIKEDGAAAQDGRLEQGDKILSVNG
QDLKNLLHQDAVDLFRNAGCAVSLRVQHRLPVQNGPIVHRGEGEPSGVPVAMVLLPVFALTMVAVWAFVR
YRKQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9025_h06.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025292

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_025292.7](#), [NP_079568.1](#)

RefSeq Size: 10398 bp

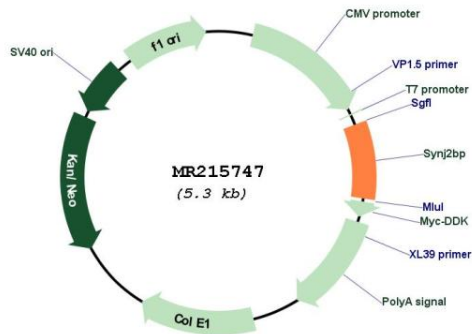
RefSeq ORF: 438 bp

Locus ID: 24071

UniProt ID: [Q9D6K5](#)
 Cytogenetics: 12 37.73 cM
 MW: 16.3 kDa

Gene Summary: Isoform 1 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. Isoform 2 and isoform 3 show a stimulatory affect on activin-induced signal transduction and enhance activin type 2 expression at the cell surface.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215747