

Product datasheet for **MG215747**

Synj2bp (NM_025292) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Synj2bp (NM_025292) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Synj2bp
Synonyms: AA409442; ActRIP4; ARIP2; D12Wsu118e; OMP25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215747 representing NM_025292
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGACGGGTGGATTATTTAGTCACGGAGGAAGAGATCAACCTGACGAGAGGACCTTCGGGGCTGG
 GCTTCAACATCGTCGGTGGGACAGATCAACAGTATGTCTCCAACGACAGTGGCATCTACGTCAGCCGTAT
 CAAAGAGGATGGGGCTGCGGCCAGGATGGCGGCTCCAGGAGGGTGATAAGATCCTCTCGGTAATGGC
 CAAGATCTGAAGAACCTGCTGCACCAAGATGCTGTAGACCTCTCCGTAATGCGGGATGTGCTGTGTCCC
 TGAGAGTACAGCACAGGTTACCAGTGCAGAATGGACCTATAGTACATCGAGGTGAAGGAGAGCCAAGTGG
 AGTTCCTGTAGCTATGGTCTGCTACCAGTGTTCGCCCTACCATGGTAGCAGTTTGGGCCTTCGTGAGA
 TACCGAAAGCAGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215747 representing NM_025292
 Red=Cloning site Green=Tags(s)

MNGRVDYLVTEEEINLTRGPSGLGFNIVGGTDQQYVSNDSGIYVSRIKEDGAAAQDGRLEQEGDKILSVNG
 QDLKNLLHQDAVDLFRNAGCAVSLRVQHRPVPVQNGPIVHRGEGEPSGVPVAMVLLPVFALTMVAVWAFVR
 YRKQL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

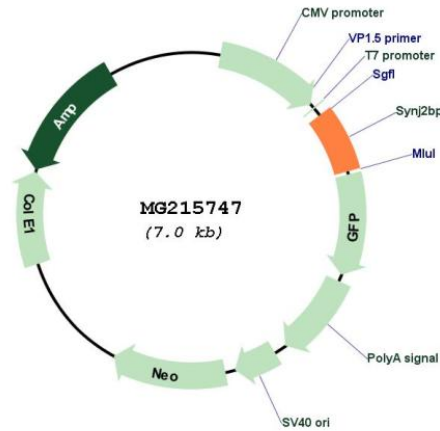


[View online »](#)

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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:	<u>NM_025292.7</u> , <u>NP_079568.1</u>
RefSeq Size:	10398 bp
RefSeq ORF:	438 bp
Locus ID:	24071
UniProt ID:	<u>Q9D6K5</u>
Cytogenetics:	12 37.73 cM
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]