

Product datasheet for MR205218

Lrp2bp (NM_026278) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrp2bp (NM_026278) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrp2bp
Synonyms:	1700113N17Rik; 2310006J04Rik; 4930479L12Rik; MegBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205218 representing NM_026278 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGAGCAGCGAGAAGTTGCCAAAAACCTTTCTCTGTCTCAGTATGCTGCCAAACAACAGA
AATTCTTCCAGTGAAGAAGGAAAAGCCGATTATTACCTCCACGCTAATTTGGTGGATACAGCATTGCA
GTTCTGAAAGAAAGAATAAGAAGAGGGGATGCTATGGCATATTTCTAAGAGGCCAACTCTATTTTGA
GAGGGCTGGTATGAAGAAGCCTTGGCACAGTTTGGAGAAATCCAGGAGAAAGACCATCAAGCAATTTATC
AGCTAGGAGTGATGATTATGATGGGCTGGGACCATTGCAAATGCTGAAAAGGAGTGAATTATATGAG
GAAGATCCTCGACTCTTCATGCCCCAGACAATGCACTTGAAATTCGCTGCTGTTACAACCTCGGGAGA
GCTTATTTTGAAGGAAAGGGGTGAAGCGATCAGATGAGGAAGCAGAGAGACTGTGGCTGCTTGCTGCCG
ACAATGGAAACCCAAAAGCTAGTGTGAAGGCGCAAAGTATTCTAGGATTGTTTTATTCAATGAAAGAGCC
CAAAGAGTTGGAAAAGGCATTTTCTGGCATTCCGGAAGCTTGGGCAACGGAAGTCTGGAGTCCCAGGGT
GCACTTGGTCTCATGTACTTTTACGGACAGGGAATCCGCCAAGACACTGATGCCGCCCTGCACTGCTTAC
GGGAAGCAGCTGAGCGAGGGAATGTCTATGCCAGGGGACTCTTGTGGAATACTACTACAAGATGAAGTT
TTTTACCAAGTGTGTTTCGTTTTCCAAAAGGATAGCAGACTATGATGAAGTCCACGACATCCCCATGATA
GCCACGTCACGGACTGTCTCCAGAGTTTATCATCAAAGGCATGGCCATGGCGGCTTTCTACCAGGGC
GCTGTCTCCAGCTGGGCTTAGGCATCATGAAAGACGAAGAATCTGCCAAGCACTACTACTAAAGCTTG
CCGTCTGAACCCTACATTGGCAGATGAACCTTCACTCCTTACTCATTACACAGAGAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205218 representing NM_026278
Red=Cloning site Green=Tags(s)

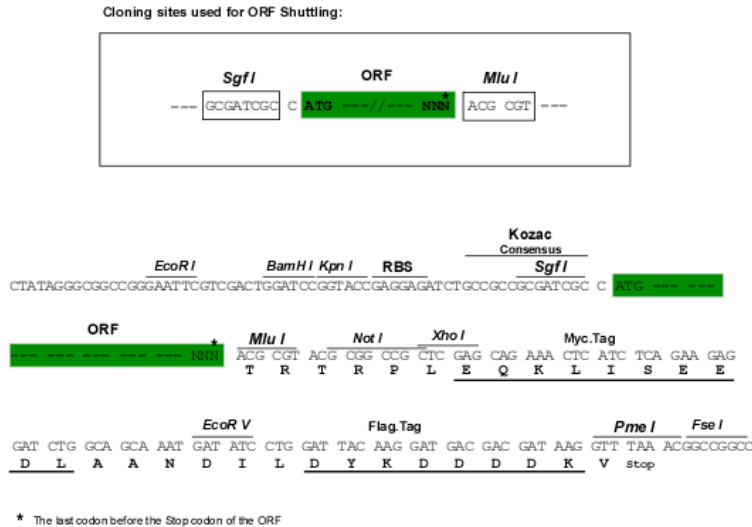
MKLSSEKLPKNPFSLSQYAAKQQKFFQWKKEKPDYYLHANLVDTALQFLKERIRRGDAMAYFLRGQLYFE
 EGWYEEALAQFEEIQEKDHOAIYQLGVMYDGLGTIANAEGVNYMRKILDSSCPQTMHLKFAAAYNLGR
 AYFEGKGVKRSDEEAERLWLLAADNGNPKASVKAQSILGLFYSMKEPKELEKAFWHSEACNGSLESQG
 ALGLMYFYGGIRQDADAALHCLREAAERGNVYAQGTLEVEYYYKMKFFTKCVSFSKRIADYDEVHDIPMI
 AHVTDCLPEFIIKGMAMAIFYHGRCLQLGLGIMKDEESAKHYYSKACRLNPTLADELHSLLIHQRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026278

ORF Size: 1038 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_026278.3](#), [NP_080554.1](#)

RefSeq Size: 3420 bp

RefSeq ORF: 1041 bp

Locus ID: 67620

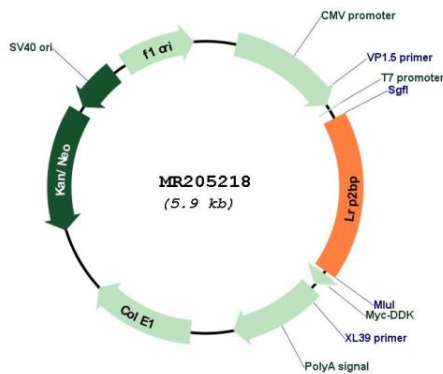
UniProt ID: [Q9D4C6](#)

Cytogenetics: 8 B1.1

MW: 40.2 kDa

Gene Summary: May act as an adapter that regulates LRP2 function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205218