

Product datasheet for **MG205218**

Lrp2bp (NM_026278) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrp2bp (NM_026278) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrp2bp
Synonyms:	1700113N17Rik; 2310006J04Rik; 4930479L12Rik; MegBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205218 representing NM_026278 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGAGCAGCGAGAAGTTGCCAAAAACCTTTCTCTGTCTCAGTATGCTGCCAAACAACAGA
AATTCTCCAGTGAAGAAGGAAAAGCCCGATTATTACCTCCACGCTAATTTGGTGGATACAGCATTGCA
GTTCTGAAAGAAAGAATAAGAAGAGGGGATGCTATGGCATATTTCTAAGAGGCCAACTCTATTTTGA
GAGGGCTGGTATGAAGAAGCCTTGGCACAGTTTGGAGAAATCCAGGAGAAAGACCATCAAGCAATTTATC
AGCTAGGAGTGATGATTATGATGGGCTGGGACCATTGCAAATGCTGAAAAGGAGTGAATTATATGAG
GAAGATCCTCGACTCTTCATGCCCCAGACAATGCACTTGAAATTCGCTGCTGTTACAACCTCGGGAGA
GCTTATTTGAAGGAAAGGGGTGAAGCGATCAGATGAGGAAGCAGAGAGACTGTGGCTGCTTGCTGCCG
ACAATGGAAACCCAAAAGCTAGTGTGAAGGCGCAAAGTATTCTAGGATTGTTTTATTCAATGAAAGAGCC
CAAAGAGTTGGAAAAGGCATTTTCTGGCATTTCGGAAGCTTGGGCAACGGAAGTCTGGAGTCCCAGGGT
GCACTTGGTCTCATGTACTTTTACGGACAGGGAATCCGCCAAGACACTGATGCCGCCCTGCACTGCTTAC
GGGAAGCAGCTGAGCGAGGGAATGTCTATGCCAGGGGACTCTTGTGGAATACTACTACAAGATGAAGTT
TTTTACCAAGTGTGTTTCGTTTTCCAAAAGGATAGCAGACTATGATGAAGTCCACGACATCCCCATGATA
GCCACGTCACGGACTGTCTCCAGAGTTTATCATCAAAGGCATGGCCATGGCGGCTTTCTACCAGGGC
GCTGTCTCCAGCTGGGCTTAGGCATCATGAAAGACGAAGAATCTGCCAAGCACTACTACTCTAAAGCTTG
CCGTCTGAACCCTACATTGGCAGATGAACCTTCACTCCTTACTCATTACCAGAGAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205218 representing NM_026278
 Red=Cloning site Green=Tags(s)

MKLSSEKLPKNPFSLSQYAAKQKFFQWKKEKPDYYLHANLVDTALQFLKERIRRGDAMAYFLRQQLYFE
 EGWYEEALAQFEEIQEKDHQAIYQLGVMYYDGLGTIANAEGVNYMRKILDSSCPQTMHLKFAAAYNLGR
 AYFEGKGVKRSDEEAERLWLLAADNGNPKASVKAQSILGLFYSMKEPKELEKAFWHSEACNGSLESQG
 ALGLMYFYQGIRQDADAALHCLREAAERGNVYAQGTLVEYYYYMKFFTKCVSFSKRIADYDEVHDIPMI
 AHVTDCLPEFIIKGMAMAAFYHGRCLQLGLGIMKDEESAKHYYSKACRLNPTLADLHSLLIHQRI

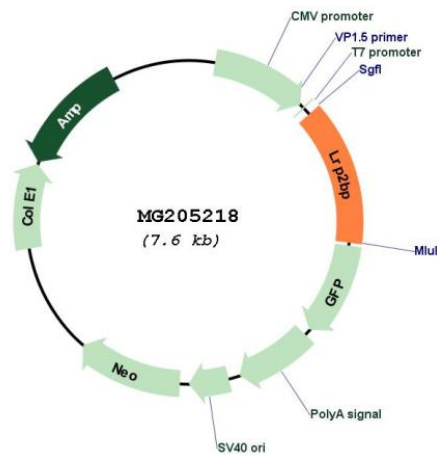
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	NM_026278.3 , NP_080554.1
RefSeq Size:	3420 bp
RefSeq ORF:	1041 bp
Locus ID:	67620
UniProt ID:	Q9D4C6
Cytogenetics:	8 B1.1
Gene Summary:	May act as an adapter that regulates LRP2 function.[UniProtKB/Swiss-Prot Function]