

Product datasheet for **MR213066**

Lurap1 (NM_026547) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lurap1 (NM_026547) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lurap1
Synonyms:	1520402A15Rik; Lrp35a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213066 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGGACCGCGGAGTCCCAGACGCCGGAATTGCGAGACGTGGAGGGCAAGGTGGGCAGGAAGATCC
CTGAAGGACTGCTCCGCGGGCTTCGAGGCGAGTGCGAGCTGGGAACCTCTGGGGACGTGCTGCTCCCGG
GGCGCCAGCACCGGCCACGGCCTAGGGGACAAGATCATGGCGCTGAGGATGGAGCTGGCTTACCTGCGA
GCTATCGATGTGAAGATCCTGCAGCAGCTGGTGACCTTGAACGAGGTATTGAGGCAGTGCCTGGCTGC
TGGAGGAGCGGGTACACTGACGAGCCATTGCAGCAGTCTCACCAGCAGTCAGTACAGTCTGACAGGGGG
AAGCCCAGGACGCTCAAGGCGGGGCAAGTGGGACAGCCTGCCAGACACCAGTTCAACTGACCGGCTGGAC
AGTGTCTCTATTGGCAGCTTCTTGGACACTGTGACCCCCAGAGAGCTGGATGAACAAGGACTCCCTGGG
CTTCTGTCTGAGATTGACTGGGCAAAGGTTATCCCCACTGAGGACAGGGCCAGGACTGAGGTGGACAT
GACATCCACTAAGCTAGGGAGCTTAACAGCCACATGGAAGCTCCCGGGGATGGGCTCCAGTGTGGACCA
CCTGAGCCATCAGAGGATGGCAATGCTAACCAGGGCTTTGAAGCTCATTGGTACTGGGGACAGTGCCAGG
ATGATGTGACCTTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213066 protein sequence
Red=Cloning site Green=Tags(s)

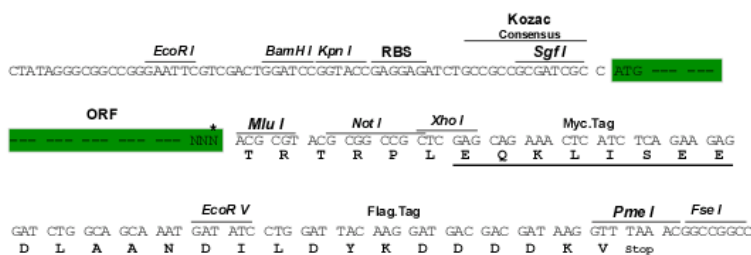
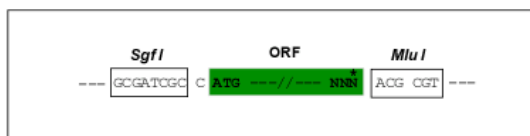
MEGTAESQTPDLRDVEGKVGRIPEGLRLRGLRGECELTSGDVLPLGAPSTGHGLGDKIMALRMELAYLR
AIDVKILQQLVTLNEGIEAVRWLLEERTLTSHCSSLTSSQYSLTGGSPGRSRGWSWDSLPTDSTSDRLD
SVSIGSFLDTVTPRELDEQGLPGPSCPEIDWAKVIPTEDRARTEVDMTSTKLGSLTATWKLPGDGLQCGP
PEPSEDGNANOGFEAHWYGOCODDVTFLL

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 026547

ORF Size: 717 bp

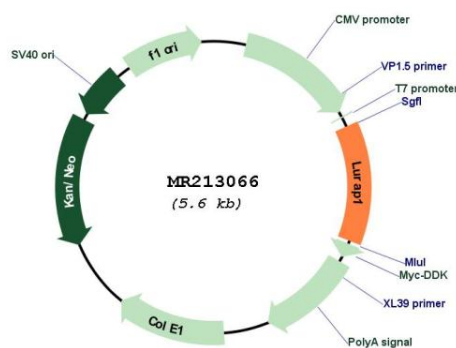
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_026547.1, NP_080823.1</u>
RefSeq Size:	1427 bp
RefSeq ORF:	720 bp
Locus ID:	68075
UniProt ID:	<u>Q9D6I9</u>
Cytogenetics:	4 D1
MW:	25.8 kDa
Gene Summary:	Acts as an activator of the canonical NF-kappa-B pathway and drive the production of proinflammatory cytokines. Promotes the antigen (Ag)-presenting and priming function of dendritic cells via the canonical NF-kappa-B pathway. In concert with MYO18A and CDC42BPA/CDC42BPB, is involved in modulating lamellar actomyosin retrograde flow that is crucial to cell protrusion and migration. Activates CDC42BPA/CDC42BPB and targets it to actomyosin through its interaction with MYO18A, leading to MYL9/MLC2 phosphorylation and MYH9/MYH10-dependent actomyosin assembly in the lamella (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213066