

## Product datasheet for MR202947

### Lphn2 (BC026898) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lphn2 (BC026898) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lphn2
Synonyms:	mKIAA0786, Lec1, Gm619
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202947 representing BC026898 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATACTACCGCTAAATGGTAACTCAACAACAGCTATTCCTGCGCAAGGCGGACTACCACGACG  
GCGTGCAGGTCGTGGACTGTGGACTAAGTCTGAACGACACCGGTTTGAGAAAATGATCATTTTCAGAGTT  
AGTGCACAACAACCTCCGGGGCGGCAACAAAACCCACAACCTGGAGCTCAAGCTCCCGGTTAAACCGGTG  
ATTGGCGGCAGCAGCAGTGAAGATGACGCGATTGTGGCTGACGCCTCATCTTTGATGCATGGTGACAACC  
CAGGGCTGGAGTCCGCCACAAAGAGCTGGAGGCGCCGCTCATCCCCAGCGGACTCACTCGTTCTGTA  
CCAACCCAGAAAAAGTGAAGCCGGAGGCAACAGACAGCTATGTCTCCAGCTGACGGCCGAGGCCGAC  
GACCACCTCCAGTCCCCAACAGAGACTCTGTACACGAGCATGCCAACCTAAGAGACTCTCCCTACC  
CGGAGAGCAGCCAGACATGGCAGAGGACCTGTCTCCCTCCAGGAGGAGTGAGAACGAGGACATTTACTA  
TAAAAGTATGCCAACCTTGGAGCTGGCCGCCATCTCCACATGTGCTACCAGATCAGCAGGGGCAATAGC  
GATGGTTACATCATCCCCATTAACAAAGAAGGGTGCATCCCTGAGGGGGACGTGAGGGAAGGACAGATGC  
AGCTGGTGACAAGTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202947 representing BC026898  
Red=Cloning site Green=Tags(s)

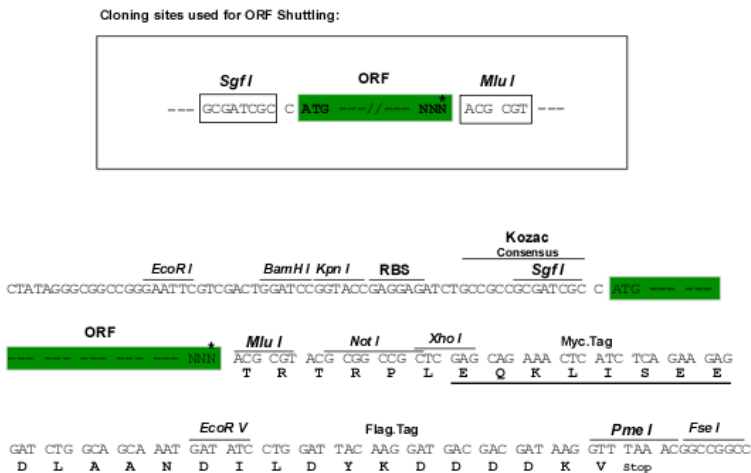
MDTLPLNGFNNSYSLRKADYHDGVQVDCGLSLNDTAFEKMIISELVHNNLRGGNKTHNLELKLVPKPV  
 IGGSSSEDDAIVADASSLMHGDNPGLEFRHKELEAPLIPQRTHSLLYQPQKKVKEATDSYVSQLTAEAD  
 DHLQSPNRDSL YTSMPNLRDSPYPESSPDMAEDLSPSRRSENEIYYKSMPNLGAGRHLHMCYQISRGNS  
 DGYIIPINKEGCIPEGDVREGQMLVTSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9043\\_b09.zip](https://cdn.origene.com/chromatograms/mm9043_b09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** BC026898

**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.

**RefSeq:** [BC026898.1](#)

**RefSeq Size:** 2165 bp

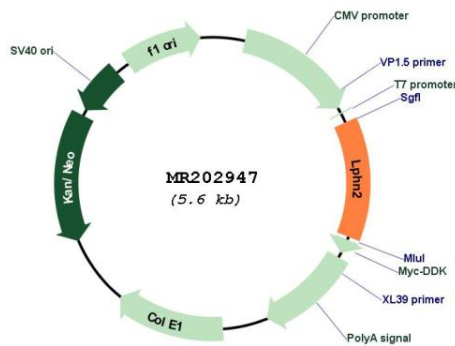
**RefSeq ORF:** 719 bp

**Locus ID:** 99633

**Cytogenetics:** 3 H3

**MW:** 79.3 kDa

**Product images:**



Circular map for MR202947