

Product datasheet for **RC206634**

C1ORF190 (LURAP1) (NM_001013615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1ORF190 (LURAP1) (NM_001013615) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1ORF190
Synonyms:	C1orf190; LRAP35a; LRP35A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206634 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAGGGGACCGTGGAGTCCCAGACGCCTGACCTGCGGGATGTGGAGGGTAAGGTGGCAGGAAGACCCCTGAAGGGCTGCTCCGCGGGCTGCGAGGCGAGTGTGAGCTGGGAACCTCTGGCGCCTGTGCTCCCAGGGCGTCTAGCACCGGCCACGACTTGGGGACAAGATCATGGCGCTGAAGATGGAGCTGGCTTACCTGCGAGCCATCGATGTGAAGATCTGCAGCAGCTGGTACCTTGAATGAGGGCATCGAGGCAGTGCCTGGCTGTGGAGGAGCGGGGACGTTGACCAGTCATTGCAGCAGCCTCACCAGCAGTCAATATAGCCTGACAGGCGGAGCCCCAGGCCGCTCAAGGCGAGGCAGCTGGGACAGCCTGCCAGACACCAGCACCACCGACCGGCTGGACAGTGTCTCTATTGGCAGCTTCTGGACACAGTGGCCCCAGCGAGCTGGATGAACAGGGCCACCTGGGCTCCACGTTCCGAGATGGACTGGGCAAAAGTTATAGCTGGTGGAGAGAGGGCCAGGACTGAGGTGGATGTGGCAGCCACCAGGCTAGGGAGCTTGAGAGCTGTGTGGAAGCCCCAGGGGAGAGGCTTCAAGGTGGACCCTGAGTCACCAGAGGATGAGAGTGCCAAGCTGGGCTTCGAGGCCACTGGTTCTGGGAGCAGTGCCAGGATGATGTGACCTTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206634 protein sequence
 Red=Cloning site Green=Tags(s)

MEGTVESQTPDLRDVEGKVGKRTPEGLLRGLRGECELGTSGALLLPASSTGHDLGDKIMALKMELAYLR
 AIDVKILQQLVTLNEGIEAVRWLLEERTLTSHCSSLTSSQYSLTGGSPGRSRRGSWDSLPTSTTDRLD
 SVSIGSFLDTVAPSELDEQGGPAPRSEMDWAKVIAGGERARTEVDVAATRLGSLRAVWKPPPERLQGGP
 PESPEDESAKLGFEAHWFWEQCQDDVTFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6519_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001013615

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: [NM_001013615.3](#)

RefSeq Size: 1863 bp

RefSeq ORF: 720 bp

Locus ID: 541468

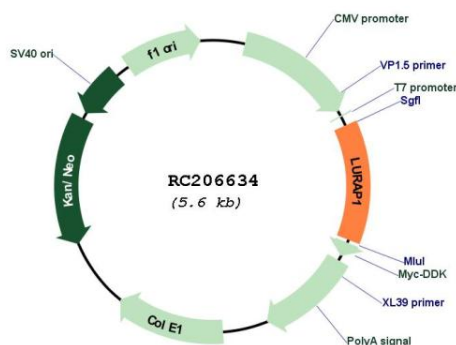
UniProt ID: [Q96LR2](#)

Cytogenetics: 1p34.1

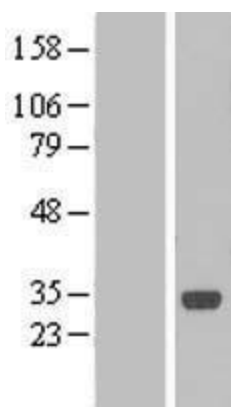
MW: 25.8 kDa

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 (PubMed:21048106). 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 RC206634



Western blot validation of overexpression lysate (Cat# [LY422980]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206634 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).