

Product datasheet for RN209533

Lurap1 (NM_001109263) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lurap1 (NM_001109263) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lurap1
Synonyms:	LRAP35a; Lrp35a; RGD1566001
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209533 representing NM_001109263 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGGACCGGGAGTCCCAGACGCCTGACTTACGAGACGTGGAGGGCAAGGTGGCAGGAAGACCC
CCGAAGGACTGCTCCGCGGGCTCCGAGGCGAGTGCATCTGGAACTCTGGGGATGTGTGCTCCCGG
GGCTTCCAGCACTGGCCACGGCTAGGGGACAAGATCATGGCGCTGAGGATGGAGCTGGCTTACCTGCGA
GCCATCGATGTGAAGATTCTGCAGCAGCTGGTACCTTGAATGAGGGAATTGAGGCAGTGCCTGGCTGC
TGGAGGAGCGGGGACACTGACCAGCCATTGCAGCAGTCTCACCAGCAGTCAGTATAGTCTGACAGGGGG
AAGCCCAGAACGCTCAAGGCGGGCAGTTGGGACAGCCTGCCAGATACCAGTTCAACTGACCGGCTGGAC
AGTGTCTCTATTGGCAGCTTCTTGGACACGGTGGCCCCAGAGAGCTGGATGAACAAGGACACCCTGGG
CTTCTGTCTGAGATTGACTGGGCAAAGTTATACCCAGTGAAGGACAGGGCCAGGACTGAGGTGGACAT
GACATCCACCAAGCTAGGGAGCCTAACAGCTACATGAACTTCCAGGGGACGGGCTCCAATGTGGACCA
CCTGAGCCATCAGAAGATGACAGTGTAAAGCAGGGCTTTGAGGCTCATTGGTACTGGGACAGTCCAGG
ATGATGTGACCTTCTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001109263
Insert Size:	720 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001109263.1 , NP_001102733.1
RefSeq Size:	1408 bp
RefSeq ORF:	720 bp
Locus ID:	500527
UniProt ID:	D4A8G3
Cytogenetics:	5q35
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 (By similarity). 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.[UniProtKB/Swiss-Prot Function]