

Product datasheet for **RC217685**

LRMDA (NM_032024) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LRMDA
Synonyms:	C10orf11; CDA017
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC217685 representing NM_032024
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAAGTATTTGTCACTCAGCGCAATCATTTCTCAAATAAAAGGTCACTGGAAGGACTGAGCGCAT
TCAGGAGCCTGGAGGAACCTCATCTTGGACAACAATCAGCTGGGGGACGACCTTGTGTTGCCAGGGTTACC
CAGACTGCATACCTTAACCCCTCAACAAGAACCGAATCACTGATTTGGAGAACCTGCTGGATCACTTGGCA
GAAGTGACACCAGCTCTGGAGTACCTCAGTCTGCTGGCAACGTGGCCTGTCCAACGAGCTGGTCAGCT
TGGAAAAGGATGAGGAAGACTACAAGAGATACAGATGCTTTGTTCTGTACAAGCTGCCCAACTTGAAATT
TCTGGATGCCCAGAAAGTAACCAGACAAGAACGAGAGGAGCGTTGGTCAGAGGAGTCTTCATGAAGGTG
GTGAAGCCCAAGGCTTCTAGTGAGGACGTTGCCAGCTCCCCGAGCGCCACTACACGCCCTTGCTTCTG
CTTCCAGGGAACCTACCAAGGTGCTGGGGAAGTGTGCTACGTTTACTATGGGAAAACTC
AGAGGGCAACAGGTTTATCCGAGATGACCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217685 representing NM_032024
Red=Cloning site Green=Tags(s)

MEKYLSSLGNHSSNKRSLLEGLSAFRSLEELILDNNQLGDDLVLPLPRLHTLTLNKNRITDLENLLDHLA
EVTPALEYLSLLGNVACPNELVSEKDEEDYKRYRCFVLYKLPNLKFLDAQKVTRQEREALVRGVFMKV
VKPKASSEDVASSPERHYTPLPSASRELTS HQVLGKCRYVYVGKNSEGNRFIRDDQL

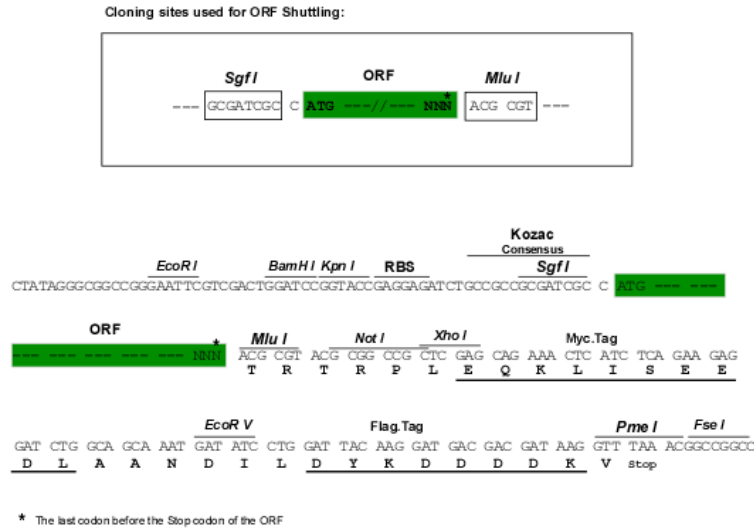
TRTRPLEQKLI**SEEDLA**ANDILDYKDDDDKV



Chromatograms: https://cdn.origene.com/chromatograms/mk8016_f08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032024

ORF Size: 594 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](#)

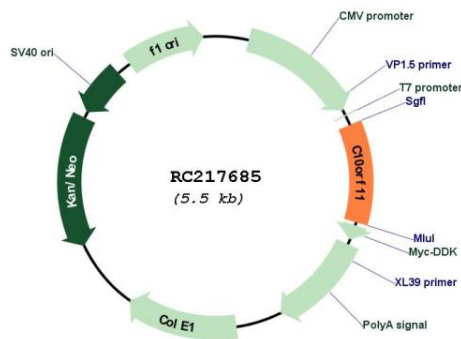
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

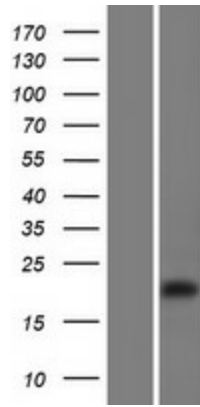
Reconstitution Method:

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_032024.4, NP_114413.1</u>
RefSeq Size:	902 bp
RefSeq ORF:	597 bp
Locus ID:	83938
UniProt ID:	<u>Q9H2I8</u>
Cytogenetics:	10q22.2-q22.3
MW:	22.4 kDa
Gene Summary:	This gene encodes a leucine-rich repeat protein. The encoded protein is thought to play a role in melanocyte differentiation. Mutations in this gene have been associated with autosomal recessive oculocutaneous albinism 7 (OCA7). Alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2015]

Product images:

Circular map for RC217685



Western blot validation of overexpression lysate (Cat# [LY410357]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217685 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).