

Product datasheet for **SC305386**

LRMDA (NM_032024) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRMDA (NM_032024) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRMDA
Synonyms:	C10orf11; CDA017
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305386 representing NM_032024. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAAAAGTATTTGTCCTCAGCGGCAATCATTCTTCAAATAAAAGGTCAGTGAAGGACTGAGCGCA
 TTCAGGAGCCTGGAGGAATCATCTTGGACAACAATCAGCTGGGGGACGACCTTGTGTGCCAGGGTTA
 CCCAGACTGCATACCTTAACCCCAACAAGAACCGAATCACTGATTTGGAGAACCTGCTGGATCACTTG
 GCAGAAGTGACACCAGCTCTGGAGTACCTCAGTCTGCTGGCAACGTGGCCTGTCCCAACGAGCTGGTC
 AGCTTGGAAAAGGATGAGGAAGACTACAAGAGATACAGATGCTTTGTTCTGTACAAGCTGCCCAACTTG
 AAATTTCTGGATGCCAGAAAAGTAACCAGACAAGAACGAGAGGAGCGTTGGTCAGAGGAGTCTTCATG
 AAGGTGGTGAAGCCCAAGGCTTCTAGTGAGGACGTTGCCAGCTCCCCGGAGCGCCACTACACGCCCTTG
 CCTTCTGCTTCCAGGGAACCTACCAAGTGTCTGGGGAAGTGTGCGTACGTTTACTATGGG
 AAAAAGTCAAGAGGGAACAGGTTTATCCGAGATGACCAAGCTCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_032024
Insert Size:	597 bp

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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_032024.4</u>
RefSeq Size:	909 bp
RefSeq ORF:	597 bp
Locus ID:	83938
UniProt ID:	<u>Q9H2I8</u>
Cytogenetics:	10q22.2-q22.3
MW:	22.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.</p>