

Product datasheet for **RC203713**

LRDD (PIDD1) (NM_145887) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRDD (PIDD1) (NM_145887) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRDD
Synonyms:	LRDD; PIDD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC203713 representing NM_145887
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCAACGGTGGAGGGGCCAGAGCTGGAGGCAGCTGCTGCCGCAGGAGATGCTTCAGAGGATTCGG
 ACGCAGGGTCCAGGGCGCTGCCTTTCTGGGCGGCAACCGGCTGAGCTTGACCTGTACCCCGGGGCTG
 CCAGCAGCTGCTGCACCTGTGTGTCCAGCAGCCTCTTCAGCTGCTGCAGGTGGAATTCCTGCGTCTGAGC
 ACTCACAGGACCCTCAGCTGCTGGAGGCCACCCTGGCCAGCTGCCTCAGAGCCTGTCTGCCTCCGCT
 CCCTGGTCTCAAAGGAGGGCAACGCCGGGACACACTGGGTGCCTGTCTCCGGGGTGCCCTGACCAACCT
 GCGCGTGGTCTGAGTGGCCTGGCCATCTGGCCACCTGGACCTGAGCTTCAACAGCCTGGAGACACTG
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 GAGCTGTAGACGCCCTTTGTGCGCTGCAGGGGAACCCCTGGGTGAGGCCTCGCCAGACGCCCCGA
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 GCCACCCCATCACCATCCGCTATCGGTGCTGCTGCCGAGCCAGGCCTCGTCCCCCTGGTCTCATG
 ACGCCCTGCTCAGCCATGTGCTGGAGCTGCAGCCCCATGGGTGGCCTTCAGCAGGATGTGGGGCTGTG
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ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203713 representing NM_145887
Red=Cloning site Green=Tags(s)

MAATVEGPELEAAAAAGDASESDAGSRALPFLGGNRLSLDLYPGGCQQLHLHLCVQQPLQLLQVEFLRLS
THEDPQLLEATLAQLPQSL SCLRSLVLKGGQRRDTLGACLRGALTNL PAGLSGLAHLAHLDL SFNSLETL
PACVLQMRGLGALLSHNCLSELPEALGALPAL TFLT VTHNRLQTLPPALGALSTLQRLDLSQNLLDTLP
PEIGGLGSLLELNLASNRLQSLPASLAGLRSLRLVLHSHNLLASVPADLARLPLLTRDLDRDNQLRDLPP
ELLDAPFVRLQGNPLGEASPDAPSSPVAALIPEMPRLFLTSDLDSFPVTPRGCSVTLACGVRLQFPAGAT
ATPITTRYRLLLPEPGLVPLGPHDALLSHVLELQPHGVAFAQQDVGLLWLFPPQARRCREVVYVTRNDNS
WGDLETYLEEEAPQRLWAHCQVPHFSWFLVVSRRPVSNACLVPEGTLLCSSGHPGVKVIFFPGATEEPRR
VSMQVVRMAGRELQALLGEPEAAVSPLLCLSQSGPPSFLQPVTVQLPLPSGITGLSLDRSRLHLLYWAPP
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LLQCLPRNKVDATLRLRLERYRGPESPDVTVMFEGEEFIAAFERIGIDVADRPDCVEGRICFVFYSHLKN
YKESVYFRGAVPVVRPEEAAEARQKGADALWMATLPIKFLPRLRGSEPPRRGAGLSLAPLNLGDAETGFL
TQSNLLSVAGRLGLDWPALVALHLGVSYREVQIRHEFRDDLDEQIRHMLFSAWERQAGQPGAVGLLVQAL
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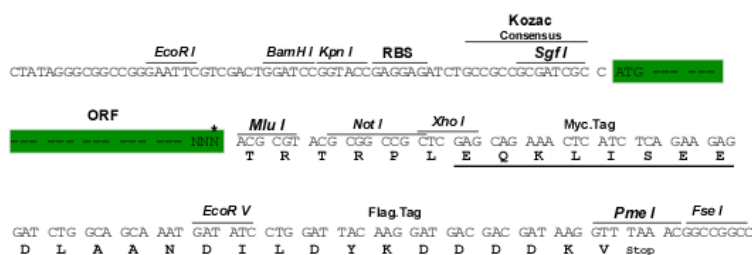
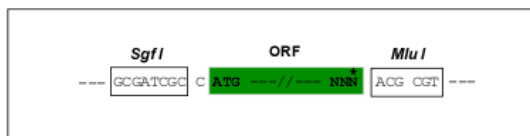
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3011_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

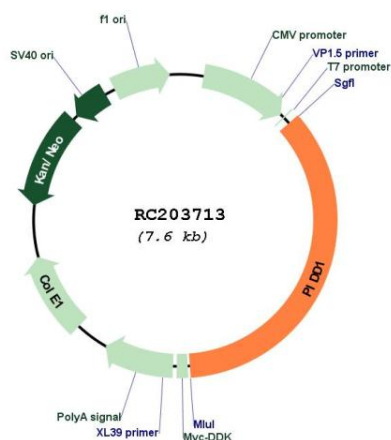


* The last codon before the Stop codon of the ORF

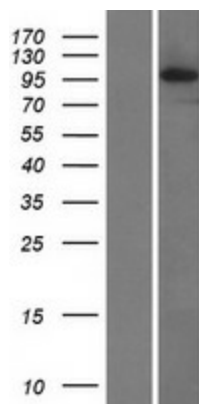
ACCN: NM_145887

ORF Size:	2679 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:	NM_145887.1
RefSeq Size:	2902 bp
RefSeq ORF:	2682 bp
Locus ID:	55367
UniProt ID:	Q9HB75
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome
Protein Pathways:	p53 signaling pathway
MW:	97.6 kDa
Gene Summary:	The protein encoded by this gene contains a leucine-rich repeat and a death domain. This protein has been shown to interact with other death domain proteins, such as Fas (TNFRSF6)-associated via death domain (FADD) and MAP-kinase activating death domain-containing protein (MADD), and thus may function as an adaptor protein in cell death-related signaling processes. The expression of the mouse counterpart of this gene has been found to be positively regulated by the tumor suppressor p53 and to induce cell apoptosis in response to DNA damage, which suggests a role for this gene as an effector of p53-dependent apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2010]

Product images:



Circular map for RC203713



Western blot validation of overexpression lysate (Cat# [LY407827]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203713 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).