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Product datasheet for RC205223

LRRC36 (NM_018296) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC36 (NM_018296) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC36
Synonyms:	RORBP70; XLHSRF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC205223 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGCAATGGGAGCTGGACGAGGAAGGCATTCGCCGCCTGGGGGCGCTGACGCTGGAGCAGCCGG
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Protein Sequence:

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>RC205223 protein sequence
Red=Cloning site Green=Tags(s)

MAEQWELDEEGIRRLGALTLEQPELVESLSLQGSYAGKIHSISDAFRNFKNLRSLDLSRNLITSLKGIQY
LCSLQDLNLYYNNIPSLVEVSRLQPLPFLKELDLRLNPVVRKDTDYRLFAVYTLQTLEKLDDRTVREGER
KAAKLHFSQLGNSENFLLEVEKSSREKTMKNCVTGESSASKVSANVDSRIEMDSNKGLFIPFPNREIKDS
LSTSATQGNGTRDQKLDTFPLGTQTQEVARREMPSDNHQEDEFRHYSPRQSTVRSPEKMTREGYQVSFLD
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PQRSKNYQEYSIKPSNDIKTTASHSCGDLLTSLSNPDSSTGRLLKLSSDLYATTHFNSDPAVLVNVEQQL
STSLDDLTPAHGSVPNNAVLGNRTTPLRTLLLSPGTSEHRKIFTKRSLSPSKRGFKWKDNILANLNLKHG
FQDATGSEPLSSDLGSLHGLAGNHSPPISARTPHVATVLRQLLELVDKHWNGSGSLLLNKKFLGPARDLL
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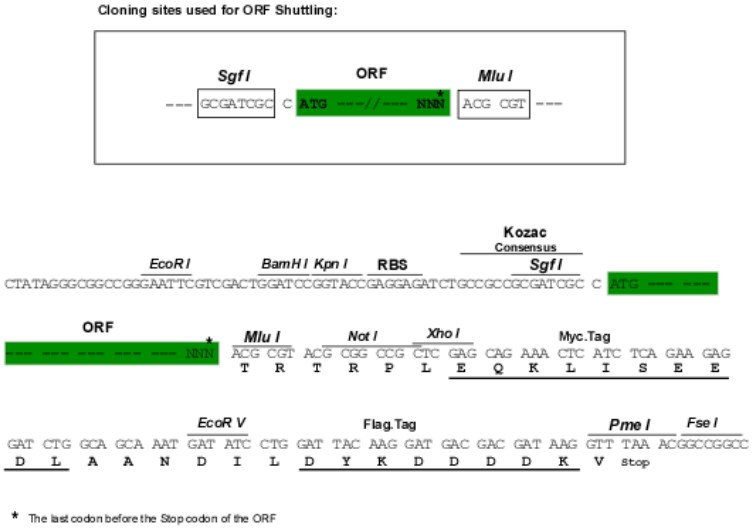
Chromatograms: https://cdn.origene.com/chromatograms/mk6536_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018296

ORF Size: 2262 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.

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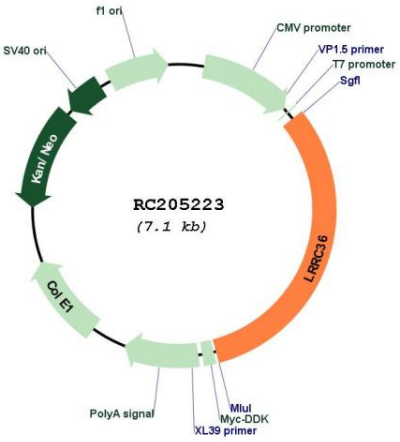
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile 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_018296.4, NP_060766.4
RefSeq Size:	2416 bp
RefSeq ORF:	2265 bp
Locus ID:	55282
UniProt ID:	Q1X8D7
Cytogenetics:	16q22.1
MW:	83.9 kDa

Product images:



Circular map for RC205223

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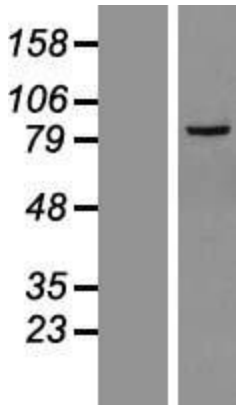

Western blot validation of overexpression lysate (Cat# [LY413144]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205223 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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