

Product datasheet for **RC206514**

LRRC23 (NM_201650) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC23 (NM_201650) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC23
Synonyms:	LRPB7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206514 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGATGAAGATGATCTAGAAGACTCTGAGCCAGACCAGGATGATTCTGAGAAAGAAGAGGACGAGA
 AGGAGACAGAGGAGGGGAGGACTACAGAAAAGAGGGGAAGAGTTCCTGAGGAATGGCTGCCACCCC
 CCTCACGGAGGACATGATGAAGGAAGGGCTTTCTGCTCTGTAAGACAGGCAATGGGCTGGCTCATGCT
 TATGTCAAGCTGGAGGTTAAAGAGAGGGACCTGACAGACATCTACTTGCTGCGCTCCTACATCCATCTGC
 GCTATGTGGATATTTCTGAGAACCACCTGACAGACCTGTCTCCACTCACTACCTACCCACCTGCTCTG
 GCTCAAGGCTGATGGCAATCTGCTGCGAAGTGCCAGATGAATGAAGTGCCTACCTGCAGATTGCTAGT
 TTTGCTTATAACCAGATTACTGACACTGAAGGCATCTCTCATCCTCGTCTTGAAACCTGAATCTCAAAG
 GGAACAGCATCCACATGGTGACAGGTCTGGACCCGAGAAGTTGATCAGCCTGCACACAGTGAGCTTCG
 GGGGAACCAGCTGGAAAGCACCTGGGAATCAATCTTCTTAAGCTGAAGAACCTTACCTGGCCAAAAC
 ATGCTGAAGAAGGTGGAAGGCTTGAGGATCTGAGCAATCTCACCACCTTGATCTTCGAGACAACCAGA
 TTGACACCCTGAGTGGCTTCTCCAGAGAAATGAAATCATTGCAGTACCTCAACCTGAGGGCAACATGGT
 GGCCAACCTGGGGAGCTGGCCAAGCTTCGAGACCTGCCAAGCTGCGAGCGTTGGTGTCTTGATAAC
 CCATGCACGGACGAAACCAGCTACCGCCAGGAGGCCCTGGTGCAGATGCCATACCTGAACGCTGGACA
 AGGAATTCTATGAGGAGGAGGAACGGGCTGAGGCTGATGTGATTGACAGAGGCTGAAGGAAGAAAAGGA
 GCAGGAGCCTGAGCCCCAGCGTGACCTGGAACCCGAACAGTCATTGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC206514 protein sequence
 Red=Cloning site Green=Tags(s)

MSDEDDLEDSEPDQDDSEKEEDEKETEEGEDYRKEGEEFPEEWLPTPLTEDMMKEGLSLLCKTGNGLAHA
 YVKLEVKERDLTDIYLLRSYIHLRYVDISENHLTDLSPNLNTHLLWLKADGNLLRSAQMNELPYLQIAS
 FAYNQITDTEGISHPRLETLNLKGNLSIHMTGLDPEKLISLHTVELRGNQLESTLGINLPKLKNLYLAQN
 MLKKVEGLEDLNLTTLHLRDNQIDTLSGFSREMKSLQYLNLRGNMVANLGEAKLRDLPKLRALVLLDN
 PCTDETSYRQEALVQMPYLERLDKEFYEEERAEADVIRQLKEEKEQEPEPQRDLEPEQSLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6330_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_201650

ORF Size: 1029 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_201650.3

RefSeq Size: 1650 bp

RefSeq ORF: 1032 bp

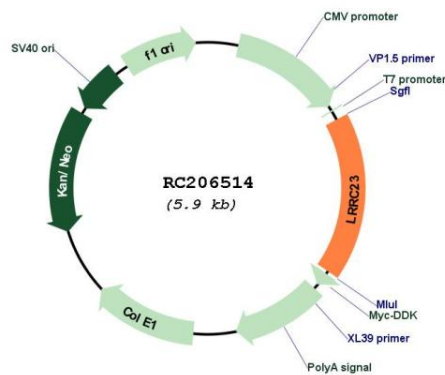
Locus ID: 10233

UniProt ID: Q53EV4

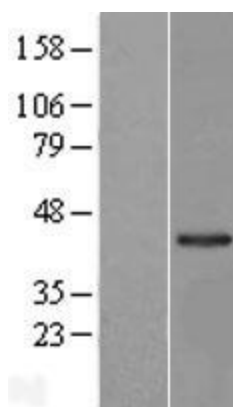
Cytogenetics: 12p13.31

MW: 39.7 kDa

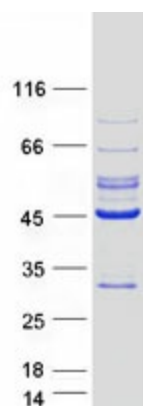
Product images:



Circular map for RC206514



Western blot validation of overexpression lysate (Cat# [LY427598]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC225510] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRRC23 protein (Cat# [TP306514]). The protein was produced from HEK293T cells transfected with LRRC23 cDNA clone (Cat# RC206514) using MegaTran 2.0 (Cat# [TT210002]).