

Product datasheet for **RG206514**

LRRC23 (NM_201650) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC23 (NM_201650) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC23
Synonyms:	LRPB7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206514 representing NM_201650 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGATGAAGATGATCTAGAAGACTCTGAGCCAGACCAGGATGATTCTGAGAAAGAAGAGGACGAGA
 AGGAGACAGAGGAGGGGAGGACTACAGAAAAGAGGGGAAGAGTTCCCTGAGGAATGGCTGCCACCCC
 CCTCACGGAGGACATGATGAAGGAAGGGCTTTCTGCTCTGTAAGACAGGCAATGGGCTGGCTCATGCT
 TATGTCAAGCTGGAGGTTAAAGAGAGGGACCTGACAGACATCTACTTGCTGCGCTCCTACATCCATCTGC
 GCTATGTGGATATTTCTGAGAACCACCTGACAGACCTGTCTCCACTCACTACCTACCCACCTGCTCTG
 GCTCAAGGCTGATGGCAATCTGCTGCGAAGTGCCAGATGAATGAAGTGCCTACCTGCAGATTGCTAGT
 TTTGCTTATAACCAGATTACTGACACTGAAGGCATCTCTCATCCTCGTCTTGAAACCTGAATCTCAAAG
 GGAACAGCATCCACATGGTGACAGGTCTGGACCCGAGAAGTTGATCAGCCTGCACACAGTGAGGCTTCG
 GGGGAACCAGCTGGAAAGCACCTGGGAATCAATCTTCTTAAGCTGAAGAACCTCTACCTGGCCAAAAC
 ATGCTGAAGAAGGTGGAAGGCTTGAGGATCTGAGCAATCTCACCACCTTGATCTTCGAGACAACCAGA
 TTGACACCCTGAGTGGCTTCTCCAGAGAAATGAAATCATTGCAGTACCTCAACCTGAGGGCAACATGGT
 GGCCAACCTGGGGAGCTGGCCAAGCTTCGAGACCTGCCAAGCTGCGAGCGTTGGTGCTGCTTGATAAC
 CCATGCACGGACGAAACCAGCTACCGCCAGGAGGCCCTGGTGCAGATGCCATACCTGAACGCCTGGACA
 AGGAATTCTATGAGGAGGAGGAACGGGCTGAGGCTGATGTGATTGACAGAGGCTGAAGGAAGAAAAGGA
 GCAGGAGCCTGAGCCCCAGCGTGACCTGGAACCCGAACAGTCATTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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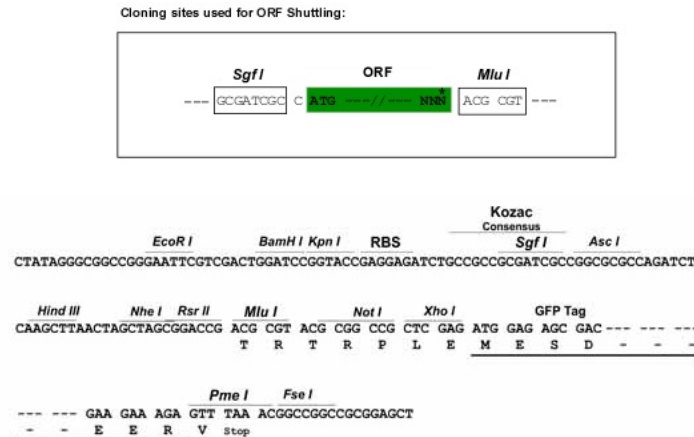
Protein Sequence: >RG206514 representing NM_201650
 Red=Cloning site Green=Tags(s)

MSDEDDLEDSEPDQDDSEKEEDEKETEEGEDYRKEGEEFPEEWLPTPLTEDMMKEGLSLLCKTGNGLAHA
 YVKLEVKERDLTDIYLLRSYIHLRYVDISENHLTDLSPNLTHLLWLKADGNLLRSAQMNELPYLQIAS
 FAYNQITDTEGISHPRLETLNLKGNISIMVTGLDPEKLISLHTVELRGNQLESTLGINLPKLKNL YLAQN
 MLKKVEGLEDLNLTTLHLRDNQIDTLSGFSREMKSLQYLNLRGMNVANLGELAKLRDLPKLRALVLLDN
 PCTDETSYRQEALVQMPYLERLDKEFYEEEEERAEADVIRQLKEEKEQEPEPQRDLEPEQSLI

TRTRPLE – GFP Tag – V

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_201650.1, NP_964013.1

RefSeq Size: 1595 bp

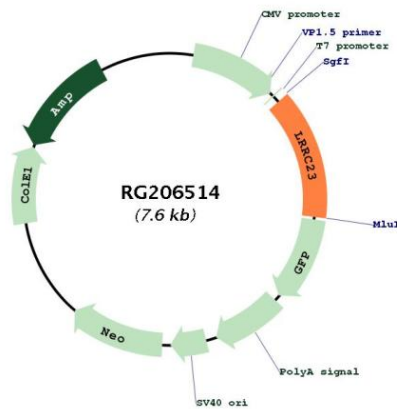
RefSeq ORF: 1032 bp

Locus ID: 10233

UniProt ID: Q53EV4

Cytogenetics: 12p13.31

Product images:



Circular map for RG206514