

Product datasheet for **RG200125**

Lano (LRRC1) (NM_018214) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Lano (LRRC1) (NM_018214) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Lano |
| Synonyms: | dj523E19.1; LANO |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG200125 representing NM_018214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTCCACTGCATCCCCTGTGGCGGTGCAACCGTCATGTGGAGAGCATCGACAAGCGCCACTGCTCGC
 TGGTCTACGTCCCGAGGAGATCTACCGCTATGCCCGGAGCCTGGAGGAGCTGCTGCTGGACGCCAACCA
 GCTCCGCGAGCTGCCCGAGCAATTTTTCCAGCTAGTCAAATTACGAAAGCTTGGACTTAGTGATAATGAA
 ATTCAGCGGCTCCCTCCAGAAATAGCAAATTCATGCAGCTGGTGGAACTAGATGTGTCTCGAAATGAGA
 TTCCTGAAATTCAGAAAGCATTTCATTCTGTAAGCACTGCAGGTAGCTGACTTCAGCGGAAACCCACT
 GACTAGGTTGCCAGAAAGCTTTCCTGAATTACAGAATTTAACATGTCTTTCTGTAATGACATCTCACTA
 CAGTCTCTACCTGAAAAATTGGCAATCTTTATAACCTGGCTTCACTGGAAGTGGAGAGAATCTTCTTA
 CATATCTTCTGACTCTTTACCGAGCTGCGAAGACTAGAAGAACTTGATTTAGGAAACAATGAAATATA
 TAATTTGCCAGAATCAATTGGAGCCCTTTACATCTAAAAGATCTCTGGTTGGATGGAAATCAACTGTCA
 GAATTACCTCAGGAAATAGGAAATCTGAAGAACCTGCTGTGTTTAGATGTCTCTGAAAACAGGTTGGAAA
 GACTTCCTGAAGAAATCAGTGGCCTGACTTCATTAACGGATTTAGTCATTTCCGAGAACTTATTAGAAAC
 GATTCCGGATGGCATTGGAAAATAAAGAACTGTCAATCTTGAAGGTGGATCAGAAATAGACTCACACAG
 TTGCTGAAGCAGTTGGGGAATGTGAAAGTCTCACTGAGTTAGTCTTACAGAAAATCAGCTCCTGACCC
 TGCTAAAAGCATTGGAAAATAAAGAAGTTGAGCAACTGAATGCAGACAGAAATAAATTAGTGTCTT
 ACCAAAAGAGATCGGCGGGTCTGCAGCCTCACTGTGTTCTGTGTACGTGACAACAGACTAACTCGGATA
 CCTGCAGAGGTGTACAGGCAACAGAATTCATGTCTGGATGTGGCAGGGAACAGGTTGCTGCATCTAC
 CTTTATCCCTGACTGCCTTGAAGTTGAAGGCTCTGTGGCTATCTGACAACCACTCCAGCCCTGCTTAC
 ATTCCAGACAGACAGACTACACCACAGGAGAGAAGATTTTAACTGTGTCTTACTTCCCTCAGCTGCCT
 TCTGAACCTACTTGTCAAGAGAATCTGCCTCGCTGTGGTGCCTGGAGAACTTGGTAAATGATGTCTCTG
 ATGAAGCCTGGAACGAGCGTGTGTCAACAGAGTCACTGCGATCCGATTTGTGGAGGATGAGAAAGATGA
 AGAAGACAATGAGACGAGAACACTTCTAAGGCGAGCCACTCCACACCCAGGGGAGTTAAAGCACATGAAA
 AAGACAGTGGAGAATTTACGGAATGACATGAATGCTGCTAAAGGACTGGACTCAAACAAAACGAGGTCA
 ATCATGCCATTGACCGAGTGACCACTTCTGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200125 representing NM_018214
 Red=Cloning site Green=Tags(s)

MFHCIPLWRCNRHVESIDKRHCSLVVYPVEEIIYRYARSLEELLDDANQLRELPEQFFQLVKLRKLGKLDNE
 IQRLPPEIANFMQLVELDVSREIPEIPESISFCKALQVADFSGNPLTRLPEFPELQNL TCLSVNDISL
 QSLPENIGNLYNLASLELRENLLTYLPDSLTLRRLLEELDLGNNEIYNLPESIGALLHLKDLWLDGNQLS
 ELPQEIGNLKNLLCLDVSERLERLPEEISGLTSLTDLVISQNLLETIPDGIGLKKLSILKVDQNRLTQ
 LPEAVGECESLTELVL TENQLLTLPKSIGLKKLSNLNADRNLVSLPKEIGGCCSLTVFVRDNRLLTRI
 PAEVSQATELHVLDVAGNRLLHLPLSLTALKLWLDSDNQSQPLLTFQTDYTTGKILTCVLLPQLP
 SEPTCQENLPRCGALENLVNDVSDEAWNERAVNRVSAIRFVEDEKDEEDNETRLLRRATPHPGELKHKM
 KTVENLRNDMNAAKGLDSNKNEVNHAIDRVTTSV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_018214

ORF Size: 1572 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

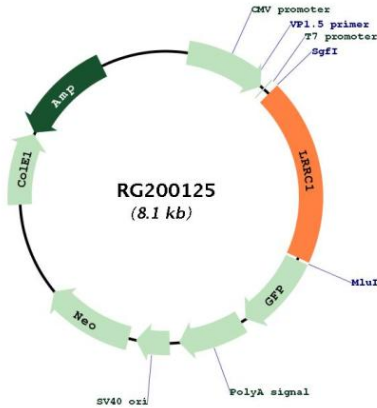
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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.

RefSeq: [NM_018214.5](#)

RefSeq Size: 3180 bp
 RefSeq ORF: 1575 bp
 Locus ID: 55227
 UniProt ID: [Q9BTT6](#)
 Cytogenetics: 6p12.1
 Domains: LRR, LRR_TYP, LRR_PS

Product images:



Circular map for RG200125