

## Product datasheet for **RR210510**

### Lims1 (NM\_001145456) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lims1 (NM\_001145456) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lims1  
**Synonyms:** Pinch1; RGD1560732  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR210510 representing NM\_001145456  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCGCACTACAGCTTAAGGAGCTTTCACAGTCGGGCCTCTACCGGAGAAGGCGAGAGCGTCTGATA  
 GTCTGAGAGTCAATGGGCTCCAGAGGAAGAGCTGAGCAACATGGCCAATGCTTTGGCCAGTGCCACGTG  
 TGAACGCTGCAAGGGGGCTTTGACCCTGCTGAGAAGATCGTGAACAGTAATGGTGAAGTGTACCATGAA  
 CAGTGTTCGTGTGTGCTCAGTGTCCAGCAGTCCAGAAAGGACTCTTTATGAGTTGAAGGAAGAA  
 AGTACTGTGAGCATGATTTCCAGATGCTCTTTGCTCCCTGCTGCCACCAGTGTGGTGAATTCATCATTGG  
 CAGGGTTATCAAAGCCATGAACAACAGCTGGCATCCTGAGTGTTCAGATGTGACCTCTGCCAGGAAGTG  
 CTGGCAGACATAGGGTTGTCAAGAAATGCTGGCAGACACCTGTGTGCCCCATGTCATAATCGTGAAAAGG  
 CCAGAGGCCTTGAAAAATACATCTGCCAGAAATGCCATGCCATCATTGATGAACAGCCTTTGATTTTCAA  
 GAACGACCCTTACCACCCAGACCACTTCAACTGTGCCAACTGCGGGAAGGAGCTAACTGCTGATGCTCGG  
 GAGCTGAAAGGGGAGCTATACTGTCTGCCATGTCATGATAAGATGGGGTCCCTATCTGTGGCCCTGCC  
 GGAGGCCATTGAAGGGCGAGTAGTGAATGCCATGGGCAAGCAATGCCATGTGGAGCATTGTTTGTGTC  
 CAAATGTGAAAAACCATTTCTTGACATCGCCATTATGAGAGGAAGGGCTTGGCCTATTGTGAGACTCAC  
 TATAATCAGTATTTGGTGTGTTTGTTCATTGCAACCGTGTGATAGAAGGTGACGTGTTCTCTGCC  
 TCAACAAGGCCTGGTGTGTGAGCTGCTTTGCCTGTTCCACTTGCAATACCAAACAACTCAAGAATAA  
 ATTTGTGGAGTTTGACATGAAACCAGTCTGTAAGAAGTGTACGAGAAATTTCTTTGGAGCTGAAGAAA  
 AGACTTAAGAACTATCTGAGACCTTAGGAAGGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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Protein Sequence: >RR210510 representing NM\_001145456  
 Red=Cloning site Green=Tags(s)

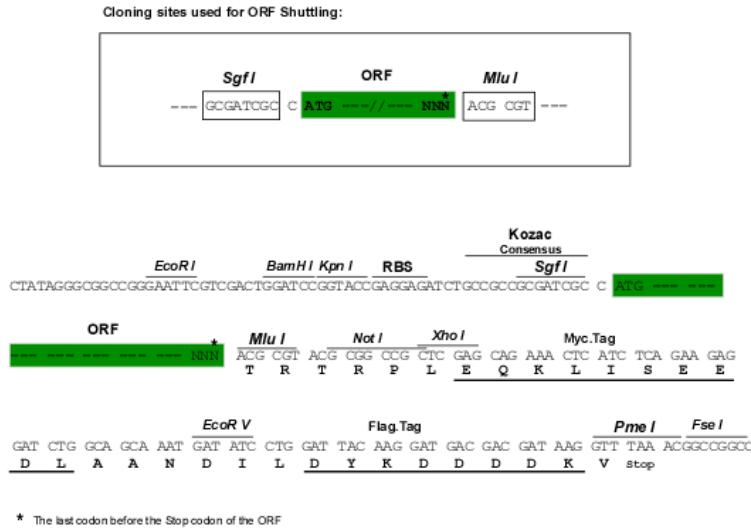
MTALQLKELSQSGLYRRRRRERPDRLRVNGLPEEELSNMANALASATCERCKGGFDPAEKIVNSNGELYHE  
 QCFVCAQCFQFPEGLFYEFEGRKYCEHDFQMLFAPCCHQCGEF IIGRVIKAMNNSWHPECFRCDLCOEV  
 LADIGFVKNAGRHL CRPCHNREKARGLGKYICQKCHAI IDEQPLIFKNDPYHPDHFNCANGKEL TADAR  
 ELKGL YCLPCHDKMGVPI CGACRRPI EGRVNVAMGKQWHVEHFVCAKCEKPF LGHRHYERKGLAYCETH  
 YNQLFGDVCFHCNRVIEGDVVSALNKAWCVSCFACSTCNTKLT LKNKFVEFDMKPVCKKCYEFPLELKK  
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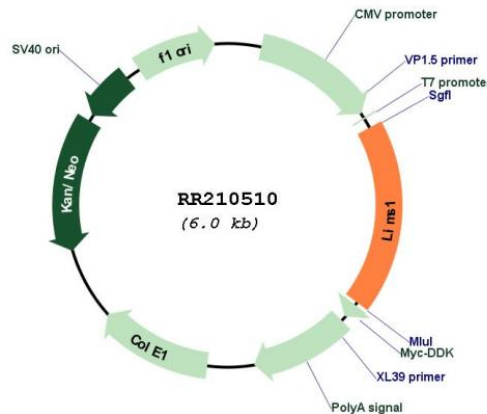
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001145456

<b>ORF Size:</b>	1086 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001145456.1</a> , <a href="#">NP_001138928.1</a>
<b>RefSeq Size:</b>	1257 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	499443
<b>Cytogenetics:</b>	20q11
<b>MW:</b>	41.6 kDa