

## Product datasheet for **RR207953**

### Lyve1 (NM\_001106286) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lyve1 (NM\_001106286) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lyve1  
**Synonyms:** Xlkd1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207953 representing NM\_001106286  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGCAACGTATTTCCAGAGCTCTCCATCCTGCGTGGTACTGCATTGTCTCCCTGGCCGCTGCAGTGC  
TCTGGGGGTCTGCGGATGCTCCAGCACTGCAGCCTGGTGTACTCCTCGCCTCTCTTTGGACCACGAG  
GCACCCAGTCCATGGCACCGTCCAAGTGAAGACCTTTCCATTTCTCCATGCAGAATCATGGCGTCCGC  
CTCGTGGGCAGAAATGCAGACCCACAGATGAACTTCACAGAAGCCAAGGAGTCTGTAAGTTCTGGGAC  
TGACTCTGGCCAGCAGGAACAGGTGGAATCCGCGCAGAAGTCTGGCTTCGAGACTTGCAGCTATGGATG  
GGTTGGAGAACGGTTCTCAGTCATCCCTCGGATCTCCCCAAATCCAAGTGTGGGAAGAATGGCAAAGGT  
GTCCTGATTTGGAACGCTTCCCCAGCCAAAAGTTCAGAGTCTATTGCCACAACCTCATCTGACACCTGGG  
CCAACCTCTGCTTTCCAGAAATCACTACCACATTAACACTCAAACCCCTGCAGCAGAGTTTTCTGTGAG  
CAGCGACACCTACTCGGCTTCACTCAGACTCCACAACGCTGCGTCTGCCACCACCCGGGCTCCACCT  
TTGACCACCATGGCACGGAAGACAAAAATGATTTGTATCACGGAAGTTTACACAGAACCTATCACCATGG  
ATGCAGAAACAGAAGCATCTGTTGAAAGTGGAGCAGCATTCAAGAATGAAGCAGCTGGGTTGGAGGTGT  
CCCCACAACCCCTGCTGGTGGCTCTTCTTCTTTGGTGTGAGCTGTGCTGGGTGTTTGTACGCTG  
AAAAGGTATGTGAAGCCTTCCCTTTCAAAAACAAGAATCAACAGAAGGAAATGATCGAAACCAAGGTTG  
TAAAGGAAGAGAAAGCTGATGATGTCAATGCTAATGAAGAATCAAAGAAAATGGTAAAAACTCAGAGGA  
GCCAAGAGTCCACCCAAAACACTACAGTGCAGTGCCTAGAGGCTGAAGTT

**ACGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207953 representing NM\_001106286  
 Red=Cloning site Green=Tags(s)

MRNVFPELSILRGDCIVSLAAAVLWGVCAMLQHCSLVLLASLWTRHPVHGTVQVQDLSISPCRMGVA  
 LVGRNADPQMNFTEAKEVCKVLGLTLASRNQVESAKSGFETCSYGWVGERFSVIPRISPKNPKCGKNGKG  
 VLIWNASPSQKFRVYCHNSSDTWANSDFEITTTFNTQTPAAEFVSSTDYSASSDSTTSASATTRAPP  
 LTTMARKTKMICITEVYTEPITMDAETEASVESGAAFKNEAAGFGVPTLLVLALFFGAAAVLGVCYV  
 KRYVKAFFFTNKNQKEMIEETKVVKEEKADDVNANEESKMKVKNSEEPKSPPKTTVRCLEAEV

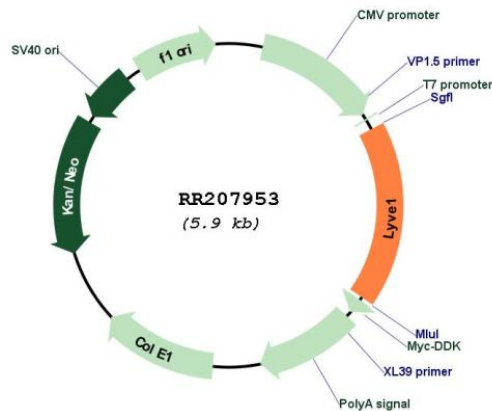
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001106286

**ORF Size:** 1029 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_001106286.1</a> , <a href="#">NP_001099756.1</a>
<b>RefSeq Size:</b>	3083 bp
<b>RefSeq ORF:</b>	1032 bp
<b>Locus ID:</b>	293186
<b>Cytogenetics:</b>	1q33
<b>MW:</b>	37.3 kDa