

## Product datasheet for **RR200284**

### Lyn (NM\_001111098) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lyn (NM_001111098) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lyn
Synonyms:	p53Lyn; p56Lyn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR200284 representing NM\_001111098  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGATGTATTAATCAAAAAGGAAAGACAATCTGAATGACGATGGAGTAGATATGAAGACTCAACCAG  
 TTCCTGAATCTCAACTTTTACCAGGACAGAGATTTCAAGCAAAAGATCCAGAGGACAAAGGGACATTGT  
 GGTGGCCTTGATCCCTATGATGGCATCCACCCAGACGACTTGTCTTTCAAGAAAGGAGAAAAGATGAAA  
 GTTCTGGAAGAGCACGGGAGTGGTGGAAAGCTAAGTCCCTTTCATCAAAGAGAGAAGGCTTCATCCCCA  
 GCAACTACGTGGCCAAGGTCAACACCTTAGAAACCGAAGAGTGGTTCTTCAAGGACATAACAAGGAAAGA  
 TGCAGAACGACAGCTTCTGGCACCAGGGAACAGTGCCGGGGCTTTCCTGATCAGAGAAAAGTAAACTTTA  
 AAGGGAAGCTTCTCTTTCCGTCAGAGATTACGACCCTATGCATGGCGACGTCATTAAGCACTACAAAA  
 TCAGAAGCCTGGACAATGGTGGTTATTACATCTCTCCGAGGATCACTTTTCCCTGTATCAGTGACATGAT  
 TAAGCATTACAAAAGCAGTCTGATGGTCTATGCAGAAGACTGGAGAAGGCATGCATCAGTCCCAAACCA  
 CAGAAGCCATGGGATAAAGATGCTTGGGAGATCCCCCGGAGTCCATTAAGCTGGTGAAAAAACTCGGGC  
 CAGGGCAGTTCGGGGAAGTCTGGATGGGTTACTATAACAACAGCACAAAAGTGGCTGTAAAGACCCTCAA  
 GCCTGGCACCATGTCTGCTCAAGCATTCTGGAAGAGGCCAACCTCATGAAGACCTTGCAGCATGACAAG  
 CTAGTGGCGGTGTATGCCGTGGTCACCAAGGAGGAGCCCATCTACATCATTACCGAGTTCATGGCCAAGG  
 GTAGCTTGCTGGATTTCTCAAGAGTGACGAAGGCAGCAAGGTTCTGCTCCCGAAACTCATTGACTTTTC  
 AGCTCAGATTGCAGAAGGCATGGCGTACATCGAGCGGAAGAACTACATCCACCGCATCTGCGAGCTGCC  
 AACGTGCTGGTCTCTGAGTCTCTCATGTGCAAGATTGCAGACTTTGGCCTCGCGAGAGTAATCGAAGATA  
 ATGAATACACAGCGAGGGAAGTGCCAAGTTCCTATCAAGTGGACGGCTCCAGAGGCCATCAACTTCGG  
 CTGCTTCACTATCAAGTCTGACGTGTGGTCTTCGGAATTCTCCTGTACGAGATCGTCACCTATGGGAAG  
 ATTCCCTACCCAGGAGAACTAACGCAGATGTGATGACCGCACTGTACAGGGGTACCGAATGCCACGAA  
 TGGAGAACTGTCCAGATGAGCTCTATGACATCATGAAAATGTGCTGGAAGGAATCAGCAGAGGAGAGGCC  
 AACCTTTGACTACTTACAGAGTGTACTGGATGACTTCTACACTGCCACGGAAGGGCAGTATCAGCAGCAG  
 CCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200284 representing NM\_001111098  
 Red=Cloning site Green=Tags(s)

MGCIKSKRKDNLNDDGVDMMKTQPVPESQLLPQRFQAKDPEEQGDIVVALYPYDGIHPDDL SFKKGEKMK  
 VLEEHGEWWKAKSLSSKREGFIPSNYVAKVNTLETEEWFKDIRKDAERQLLAPGNSAGAF LIRESL  
 KGSFSLSVRDYDPMHGDVIKHYKIRSLDNGGYYISPRITFPCISDMIKHYKQKSDGLCRRLEKACISPKP  
 QKPWDKDAWEIPRESIKLVKKLAGQFGEVVMGYNNSTKVAVKTLKPGTMSAQAFLEENLMKTLQHDK  
 LVRLYAVVTKEEPIYIIITEFMAKGSLLDFLKSDEGSKVLLPKLIDFSAQIAEGMAYIERKNYIHRDLRAA  
 NVLVSESLMCKIADFLARVIEDNEYTAREGAKFPIKWTAPEA INFGCFTIKSDVWSFGILLYEIVTYGK  
 IPYPGRTNADVMTALSQGYRMPRMENCPDEL YDIMKMCWKESAERPTFDYLQSVLDDFYTATEGYQQQ  
 P

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

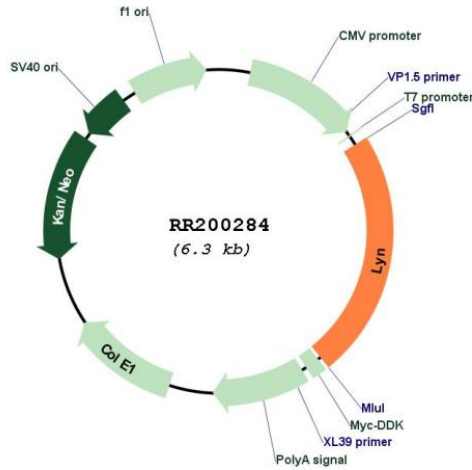
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001111098

ORF Size: 1473 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).

<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>	<u>NM_001111098.1, NP_001104568.1</u>
<b>RefSeq Size:</b>	3367 bp
<b>RefSeq ORF:</b>	1476 bp
<b>Locus ID:</b>	81515
<b>UniProt ID:</b>	<u>Q07014</u>
<b>Cytogenetics:</b>	5q12
<b>MW:</b>	56.1 kDa
<b>Gene Summary:</b>	Src-related tyrosine kinase; may play a role in trophoblast giant cell differentiation [RGD, Feb 2006]