

## Product datasheet for **RN209338**

### Syk (NM\_012758) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syk (NM_012758) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Syk
Synonyms:	p72syk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN209338 representing NM\_012758  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGCAATGCTGTGGACAATGCCAACACCTGACCTACTTTTTGGCAACATCACCCGGGAAGAGG  
 CCGAAGACTACCTGGTCCAGGGAGGCATGACCGATGGGCTCTACCTGCTACGCCAGAGCCGAATTACCT  
 GGGTGGTTTTGCTTTGTGGTGGCACACAAAGGAAGGCACACCACTACACTATCGAGAGAGAACTTAAC  
 GGCACCTACGCCATCTCCGGGGCAGGGCCATGCCAGCCGGCAGACCTCTGCCATTACCACTCCCAGG  
 AACCCGAAGGCCTGGTCTGCCTCCTCAAGAAGCCCTTCAACCGGCCCCCGGGGGTACAGCCCAAGACTGG  
 ACCCTTTGAGGACCTGAAGGAGAACCTCATCAGGGAATATGTGAAACAGACCTGGAACCTTCAGGGCCAG  
 GCTCTGGAGCAAGCCATCATAAGTCAGAAGCCCAACTGGAGAAGTTGATCGCCACGACGGCTCATGAGA  
 AGATGCCCTGGTCCATGGCAACATCTCCAGAGACGAGTCAGAGCAGACGGTCTCATAGGGTCAAAGAC  
 CAACGGAAAATTCCTGATCAGGGCCAGAGACAACAACGGCTCCTTTGACTGTGCCTGCTGCACGAAGGG  
 AAGGTATTACACTATCGCATCGACAGGGACAAGACCGGGAAGCTTCCATCCCCGAGGGGAAGAAGTTG  
 ACACCCCTGGCAGCTAGTGAACATTACTCTTACAAGCCAGATGGGCTATTAAGAGTCCTCACGGTACC  
 ATGTCAAAGATTGGCGTGCAGATGGGCCACCCAGGAAGTTCAAATGCCCATCCTGTGACTTGGTACCA  
 GGTGGAATAATCTCAAGAATCAAATCCTACTCCTTCCCAAAGCCTGGCCACAAAAAGCCTCCCCACCCC  
 AAGGGAGCCGTCGGAGAGCACCGTGTCTTCAATCCCTATGAGCCAACGGGAGGGGCTGGGGCCAGA  
 CAGAGGCCCTCAGAGAGAAGCCCTGCCATGGACACCGAGGTATATGAGAGTCTTACGTGACCCTGAA  
 GAGATCCGGCCCAAAGAGGTCTACCTGGACAGGAACTGCTGACCCTGGAGGACAATGAACTGGGCTCTG  
 GCAACTTCGGGACTGTGAAAAAGGGATACTACCAAATGAAAAAGTTGTAAAAACAGTGGTGTGAAAAAT  
 CCTGAAGAATGAGGCCAACGACCCGGCTCTGAAGGACGAGCTGCTGGCGGAGGCCAACGTCATGCAGCAG  
 CTGGACAACCCCTACATTGTGCGCATGATCGGAATCTGTGAGGCGGAGTGTGGATGCTGGTGTGAGAGA  
 TGGCGGCATGGGGGCCCTCAACAAGTACCTGCAGCAGAACAGGCACATCAAGGATAAGAACATCATCGA  
 GCTGGTTCACCAGGTTTCCATGGGAATGAAGTATTTGGAGGAGAGCAATTTTGTGCACAGAGATCTGGCC  
 GCGAGGAACGTGCTTCTGGTCAACCAGCACTACGCCAAGATCAGTACTCGGTCTTCCAAAGCCCTCC  
 GTGCTGATGAAACTACTACAAGCCCAGACCCACGGGAAGTGGCCGGTGAAGTGGTACGCCCCGAATG  
 CATCAACTACTTTAAGTTCTCCAGTAAGAGTGATGTCTGGAGCTTCGGAGTCTGATGTGGGAAGCGTTC  
 TCCTACGGGCAGAAGCCATACAGAGGGATGAAAGGGAGCGAAGTACTGCCATGTGGAGAAAGGAGAGC  
 GGATGGGGTGCCTCCAGGATGCCCGAGAGAGATGTACGACTTGATGTTCTATGCTGGACTTACGATGT  
 GGAGAACAGGCCAGGATTCGCGGCTGTGGAAGTGGCGCTTCGCAATTACTACTACGACGTGGTTAACT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1637\\_a09.zip](https://cdn.origene.com/chromatograms/ja1637_a09.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012758

**Insert Size:** 1890 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_012758.1](#), [NP\\_036890.1](#)

**RefSeq Size:** 5317 bp

**RefSeq ORF:** 1890 bp

**Locus ID:** 25155

**UniProt ID:** [Q64725](#)

**Cytogenetics:** 17p14

**Gene Summary:** plays a role in cCbl-mediated ubiquitination and down-regulation by protein degradation of FcepsilonRI, a high affinity receptor for IgE [RGD, Feb 2006]