OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR209338

Syk (NM_012758) Rat Tagged ORF Clone

Product data:

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

View online »

ORF Nucleotide Sequence:

>RR209338 representing NM_012758
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGCAATGCTGTGGACAATGCCAACCACCTGACCTACTTTTTTGGCAACATCACCCGGGAAGAGG
CCGAAGACTACCTGGTCCAGGGAGGCATGACCGATGGGCTCTACCTGCTACGCCAGAGCCGCAATTACCT
GGGTGGTTTTGCTTTGTCGGTGGCACACAACAGGAAGGCACACCACTACACTATCGAGAGAGAACTTAAC
GGCACCTACGCCATCTCCGGGGGCAGGGCCCATGCCAGCCCGGCAGACCTCTGCCATTACCACTCCCAGG
AACCCGAAGGCCTGGTCTGCCTCCTCAAGAAGCCCTTCAACCGGCCCCCGGGGGTACAGCCCAAGACTGG
ACCCTTTGAGGACCTGAAGGAGAACCTCATCAGGGAATATGTGAAACAGACCTGGAACCTTCAGGGCCAG
GCTCTGGAGCAAGCCATCATAAGTCAGAAGCCCCAACTGGAGAAGTTGATCGCCACGACGGCTCATGAGA
AGATGCCCTGGTTCCATGGCAACATCTCCAGAGACGAGTCAGAGCAGACGGTCCTCATAGGGTCAAAGAC
CAACGGAAAATTCCTGATCAGGGCCAGAGACAACAACGGCTCCTTTGCACTGTGCCTGCTGCACGAAGGG
AAGGTATTACACTATCGCATCGACAGGGACAAGACCGGGAAGCTTTCCATCCCCGAGGGGAAGAAGTTTG
ACACCCTCTGGCAGCTAGTGGAACATTACTCTTACAAGCCAGATGGGCTATTAAGAGTCCTCACGGTACC
ATGTCAAAAGATTGGCGTGCAGATGGGCCACCCAGGAAGTTCAAATGCCCATCCTGTGACTTGGTCACCA
GGTGGAATAATCTCAAGAATCAAATCCTACTCCTTCCCAAAGCCTGGCCACAAAAAGCCTCCCCCACCCC
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CAGAGGCCTTCAGAGAGAAGCCCTGCCCATGGACACCGAGGTATATGAGAGTCCTTACGCTGACCCTGAA
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CCTGAAGAATGAGGCCAACGACCCGGCTCTGAAGGACGAGCTGCTGGCGGAGGCCAACGTCATGCAGCAG
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GCTGGTTCACCAGGTTTCCATGGGAATGAAGTATTTGGAGGAGAGCAATTTTGTGCACAGAGATCTGGCC
GCGAGGAACGTGCTTCTGGTCACCCAGCACTACGCCAAGATCAGTGACTTCGGTCTTTCCAAAGCCCTCC
GTGCTGATGAAAACTACTACAAGGCCCAGACCCACGGGAAGTGGCCGGTGAAGTGGTACGCCCCCGAATG
CATCAACTACTTTAAGTTCTCCAGTAAGAGTGATGTCTGGAGCTTCGGAGTCCTGATGTGGGAAGCGTTC
TCCTACGGGCAGAAGCCATACAGAGGGATGAAAGGGAGCGAAGTGACTGCCATGCTGGAGAAAGGAGAGC
GGATGGGGTGCCCTCCAGGATGCCCGAGAGAGATGTACGACTTGATGTTCCTATGCTGGACTTACGATGT
GGAGAACAGGCCAGGATTCGCGGCTGTGGAACTGCGGCTTCGCAATTACTACTACGACGTGGTTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

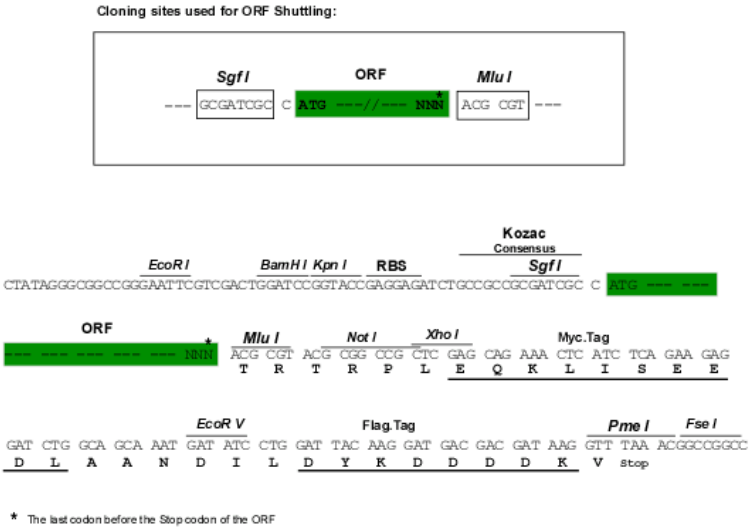
>RR209338 representing NM_012758
Red=Cloning site Green=Tags(s)

MAGNAVDNANHLTYFFGNITREEAEDYLVQGGMTDGLYLLRQSRNYLGGFALSVAHNRKAHHYTIERELN
GTYAISGGRAHASPADLCHYHSQEPEGLVCLLKKPFNRPPGVQPKTGPFEDLKENLIREYVKQTWNLQGQ
ALEQAIISQKPQLEKLIATTAHEKMPWFHGNISRDESEQTVLIGSKTNGKFLIRARDNNGSFALCLLHEG
KVLHYRIDRDKTGKLSIPEGKKFDTLWQLVEHYSYKPDGLLRVLTVPCQKIGVQMGHPGSSNAHPVTWSP
GGIISRIKSYSFPKPGHKKPPPPQGSRPESTVSFNPYEPTGGAWGPDRGLQREALPMDTEVYESPYADPE
EIRPKEVYLDRKLLTLEDNELGSGNFGTVKKGYYQMKKVVKTVAVKILKNEANDPALKDELLAEANVMQQ
LDNPYIVRMIGICEAESWMLVMEMAAWGPLNKYLQQNRHIKDKNIIELVHQVSMGMKYLEESNFVHRDLA
ARNVLLVTQHYAKISDFGLSKALRADENYYKAQTHGKWPVKWYAPECINYFKFSSKSDVWSFGVLMWEAF
SYGQKPYRGMKGSEVTAMLEKGERMGCPPGCPREMYDLMFLCWTYDVENRPGFAAVELRLRNYYYDVVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012758

ORF Size: 1887 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).

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

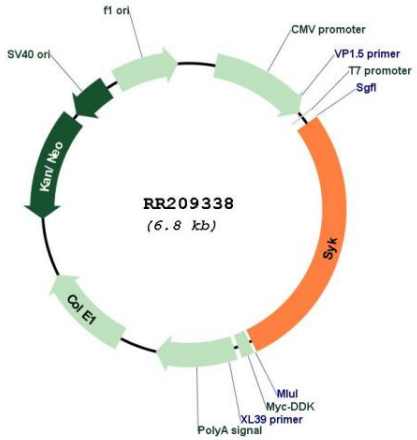
UniProt ID: Q64725

Cytogenetics: 17p14

MW: 71.5 kDa

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]

Product images:



Circular map for RR209338