

Product datasheet for **SC118115**

SYK (NM_003177) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYK (NM_003177) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYK
Synonyms:	IMD82; p72-Syk
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_003177 edited
 ATGGCCAGCAGCGGCATGGCTGACAGCGCCAACCACCTGCCCTTCTTTTTCGGCAACATC
 ACCCGGGAGGAGGCAGAAGATTACCTGGTCCAGGGGGGCATGAGTGATGGGCTTTATTTG
 CTGCGCCAGAGCCGCAACTACCTGGGTGGCTTCGCCCTGTCCGTGGCCCACGGGAGGAAG
 GCACACCACTACACCATCGAGCGGGAGCTGAATGGCACCTACGCCATCGCCGGTGGCAGG
 ACCCATGCCAGCCCCGCCGACCTCTGCCACTACCACTCCCAGGAGTCTGATGGCCTGGTC
 TGCCCTCTCAAGAAGCCCTTCAACCGGCCCAAGGGGTGCAGCCAAGACTGGGCCCTTT
 GAGGATTTGAAGGAAAACCTCATCAGGGAATATGTGAAGCAGACATGGAACCTGCAGGGT
 CAGGCTCTGGAGCAGGCCATCATCAGTCAGAAGCCTCAGCTGGAGAAGCTGATCGCTACC
 ACAGCCCATGAAAAAATGCCTTGGTTCCATGGAAAAATCTCTCGGAAGAATCTGAGCAA
 ATTGTCCTGATAGGATCAAAGACAAATGGAAAGTTCTGATCCGAGCCAGAGACAACAAC
 GGCTCCTACGCCCTGTGCCTGCTGCACGAAGGGAAGGTGCTGACTATCGCATCGACAAA
 GACAAGACAGGGAAGCTCTCCATCCCCGAGGGAAGAAGTTCGACACGCTCTGGCAGCTA
 GTCGAGCATTATTCTTATAAAGCAGATGGTTTGTAAAGAGTTCTTACTGTCCCATGTCAA
 AAAATCGGCACACAGGGAATGTAAATTTGGAGGCCGTCCACAACCTCCAGTTCCCAT
 CCTGCGACTTGGTCAGCGGGTGAATAATCTCAAGAATCAAATCATACTCTTCCCAAAG
 CCTGGCCACAGAAAGTCCTCCCCTGCCCAAGGGAACCGGCAAGAGAGTACTGTGTATTCC
 AATCCGTATGAGCCAGAACTTGCACCCTGGGCTGCAGACAAAGGCCCCAGAGAGAAGCC
 CTACCCATGGACACAGAGGTGTACGAGAGCCCCCTACGCGGACCCCGAGGAGATCAGGCC
 AAGGAGGTTTACCTGGACCGAAAGCTGTGACGCTGGAAGACAAAGAAGTGGGCTCTGGT
 AATTTTGGAACTGTGAAAAAGGGCTACTACCAATGAAAAAGTTGTGAAAAACCTGGCT
 GTGAAAACTACTGAAAAACGAGGCCAATGACCCCGCTCTTAAAGATGAGTTATTAGCAGAA
 GCAAATGTCAATGCAGCAGCTGGACAACCCGTACATCGTGCGGATGATCGGGATATGCGAG
 GCCGAGTCTGGATGCTGGTTATGGAGATGGCAGAAGTGGTCCCCTCAATAAGTATTTG
 CAGCAGAACAGACATGTCAAGGATAAGAACATCATAGAAGTGGTTCATCAGGTTTCCATG
 GGCATGAAGTACTTGGAGGAGAGCAATTTTGTGCACAGAGATCTGGCTGCAAGAAATGTG
 TTGCTAGTTACCCAACATTACGCCAAGATCAGTGATTTCCGACTTTCCAAAGCACTGCGT
 GCTGATGAAAACACTACAAGGCCAGACCCATGGAAAGTGGCCTGTCAAGTGGTACGCT
 CCGGAATGCATCAACTACTACAAGTTCTCCAGCAAAAGCGATGTCTGGAGCTTTGGAGTG
 TTGATGTGGGAAGCATTCTCTATGGGCAGAAGCCATATCGAGGGATGAAAGGAAGTGAA
 GTCACCGCTATGTTAGAGAAAGGAGAGCGGATGGGGTGCCTGCAGGGTGTCCAAGAGAG
 ATGTACGATCTCATGAATCTGTGCTGGACATACGATGTGAAAAACAGGCCCGGATTTCGA
 GCAGTGGAACTGCGGCTGCGCAATTACTACTATGACGTGGTGAACATA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003177 unedited
 ACCTGTTTTGTAACCGACTTCATATAGGCGGCACCGCAATTCGCACGAGGCGGGGAACGA
 CGCGCTGCTTTTCATGCCCTTTCTTGTCTACCTTCATCGGCCGAGGTAAAAGTGCTGAAA
 CCATGTGAATAAAAATACAGGTGGACACCTGCGCAGGTGTGTGCCCTCCGGCCCCCTGAAGC
 ATGGCCAGCAGCGGCATGGCTGACAGCGCCAACCACCTGCCCTTCTTTTTCGGCAACATC
 ACCCGGGAGGAGGCAGAAGATTACCTGGTCCAGGGGGGCATGAGTGATGGGCTTTATTTG
 CTGCGCCAGAGCCGCAACTACCTGGGTGGCTTCGCCCTGTCCGTGGCCCACGGGAGGAAG
 GCACACCACTACACCATCGAGCGGGAGCTGAATGGCACCTACGCCATCGCCGGTGGCAGG
 ACCCATGCCAGCCCCGCCGACCTCTGCCACTACCACTCCCAGGAGTCTGATGGCCTGGTC
 TGCCCTCTCAAGAAGCCCTTCAACCGGCCCAAGGGGTGCAGCCAAGACTGGGCCCTTT
 GAGGATTTGAAGGAAAACCTCATCAGGGAATATGTGAAGCAGACATGGAACCTGCANGGT
 CAGGCTCTGGAGCATGCCATCATCAGTCAGAAGCCTCAGCTGGAGAAGCTGATCGCTACC
 ACAGCCCATGAAAAAATGCCTTGGTTCCATGGATAAATCTCTCGGAAGAATCTGAGCAA
 ATTGTCCTGATAGGATCATAGACAAATGGNAAGTCTGATCCGAGCCAGAGACAACAACG
 GCTCCTACGCCCTGTGCCTGCTGCACGATGGGAATGTGCTGCACTATCGCATCGACAAAAG
 ACAAGACAGGGAAGCTCTCCATCCCCGAGGGTATGAAGTTCGACACGCTCTGGCAACTA
 GTCGAGCCATTATTCTATAAAGCAGATG

Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	B cell receptor signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Natural killer cell mediated cytotoxicity
Gene Summary:	<p>This gene encodes a member of the family of non-receptor type Tyr protein kinases. This protein is widely expressed in hematopoietic cells and is involved in coupling activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis. It is thought to be a modulator of epithelial cell growth and a potential tumour suppressor in human breast carcinomas. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (Syk(L)). Both variants 1 and 3 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>