

Product datasheet for **SC128257**

FYN (NM_153048) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FYN (NM_153048) Human Untagged Clone
Tag:	Tag Free
Symbol:	FYN
Synonyms:	p59-FYN; SLK; SYN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_153048 edited
CAGCGCAGGTCTGAGGAGCTGAGAAGGGAGGCTTACGTGAAGGGAATTTAGATAATGGGC
TGTGTGCAATGTAAGGATAAAGAAGCAACAAAACCTGACGGAGGAGAGGGACGGCAGCCTG
AACCAGAGCTCTGGGTACCGCTATGGCACAGACCCACCCTCAGCACTACCCAGCTTC
GGTGTGACCTCCATCCCCAACTACAACAACCTCCACGCAGCCGGGGCCAAAGGACTCACC
GTCTTTGGAGGTGTGAACTCTTCGTCTCATACGGGGACCTTGCGTACGAGAGGAGGAACA
GGAGTGACACTCTTTGTGGCCCTTATGACTATGAAGCACGGACAGAAGATGACCTGAGT
TTTCACAAAGGAGAAAAATTTCAAATATTGAACAGCTCGGAAGGAGATTGGTGGGAAGCC
CGCTCCTTGACAACCTGGAGAGACAGGTTACATTCCCAGCAATTATGTGGCTCCAGTTGAC
TCTATCCAGGCAGAAGAGTGGTACTTTGGAAAACCTGGCCGAAAAGATGCTGAGCGACAG
CTATTGTCCTTTGGAAACCAAGAGGTACCTTTCTTATCCGCGAGAGTGAAACCACCAAA
GGTGCCTATTCACTTTCTATCCGTGATTGGGATGATATGAAAGGAGACCATGTCAAACAT
TATAAAATTCGCAAACCTTGACAATGGTGGATACTACATTACCACCCGGGCCAGTTTGAA
ACACTTCAGCAGCTTGTACAACATTACTCAGGTACCTGGAATGGAACACAAAAGTAGCC
ATAAAGACTCTTAAACCAGGCACAATGTCCCCGAATCATTCCTTGAGGAAGCGCAGATC
ATGAAGAAGCTGAAGCAGACAAGCTGGTCCAGCTCTATGCAAGTGGTGTCTGAGGAGCCC
ATCTACATCGTCAACCGAGTATATGAACAAAGGAAGTTTACTGGATTTCTAAAAGATGGA
GAAGGAAGAGCTCTGAAATTACCAAATCTTGTGGACATGGCAGCACAGGTGGCTGCAGGA
ATGGCTTACATCGAGCGCATGAATTATATCCATAGAGATCTGCGATCAGCAAACATTCTA
GTGGGGAAATGGACTCATATGCAAGATTGCTGACTTCGGATTGGCCCGATTGATAGAAGAC
AATGAGTACACAGCAAGACAAGGTGCAAAGTTCCCATCAAGTGGACGGCCCCCGAGGCA
GCCCTGTACGGGAGGTTACAATCAAGTCTGACGTGTGGTCTTTTGGAACTTACTCACA
GAGCTGGTCACCAAAGGAAGAGTGCCATACCCAGGCATGAACAACCGGGAGGTGCTGGAG
CAGGTGGAGCGAGGCTACAGGATGCCCTGCCCGCAGGACTGCCCATCTCTCTGCATGAG
CTCATGATCCACTGCTGGAAAAAGACCCTGAAGAACGCCCACTTTTGGTACTTGCAG
AGCTTCTGGAAGACTACTTTACCGCGACAGAGCCCCAGTACCAACCTGGTGAAAACCTG
TAAGGCCCGGCTGCGGAGAGAGGCCCTTGTCCCAGAGGCTGCCACCCTCCCCATTA
GCTTTCAATTCCGTAGCCAGCTGCTCCCAGCAGCGGAACCGCCAGGATCAGATTGCAT
GTGACTCTGAAGCTGACGAACCTCCATGGCCCTCATTAAATGACACTTGTCCCAAATCCG
AACCTCCTCTGTGAAGCATTGAGACAGAACCTTGTTATTTCTCAGACTTTGGAAAATGC
ATTGTATCGATGTTATGTAAAAGGCCAAACCTCTGTTTCAGTGTAATAGTTACTCCAGT
CCAACAATCCTAGTGCTTTCTTTTTAAAAATGCAAATCCTATGTGATTTTAACTCTGT
CTTCACCTGATTCAACTAAAAAAAAAAAAAGTATTATTTTCCAAAAGTGGCCTCTTTGTCT
AAAAAATAAAATTTTTTTTCATGTTTTAACAAAAACCAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153048 unedited GGTTCACATTTTGTATACGACTCATATAGGCGGCCGCGNATTCCTCCGGGATCAGCGCAGT CTGAGGAGCTGAGAAGGAGGCTTACGTGAAGGGAATTTAGATAATGGGCTGTGTGCAATG TAAGGATAAAGAAGCAACAAAACCTGACGGAGGAGAGGGACGGCAGCCTGAACCAGAGCTC TGGGTACCGCTATGGCACAGACCCACCCCTCAGCACTACCCAGCTTCGGTGTGACCTC CATCCCCAACTACAACAACCTCCACGCAGCCGGGGCCAAAGGACTCACCGTCTTTGGAGG TGTGAACCTTTCGTCTCATACGGGGACCTTGCCTACGAGAGGAGGAACAGGAGTGACACT CTTTGTGGCCCTTATGACTATGAAGCACGGACAGAAGATGACCTGAGTTTTCACAAAGG AGAAAAATTTCAAATATTGAACAGCTCGGAAGGAGATTGGTGGGAAGCCCGCTCCTTGAC AACTGGAGAGACAGGTTACATTCAGCAATTATGTGGCTCCAGTTGACTCTATCCAGGC AGAAGAGTGGTACTTTGGAAAACCTGGCCGANAAGATGCTGAGCGACAGCTATTGCCTT TGGAAACCCAAGAGGTACCTTTCTATCCGCGAGAGTGAAACCACCAAAGGTGCCTATTC ACTTTCTATCCGTGATTGGGATGATATGAAAGGAGACCATGTCAAACATTATAAAATTCG CAAACCTTGACAATGGTGGATACTACATTACCACCCGGNCCAGTTTTGAACACTTCAGCA GCTTGTACAACATTACTCANGTACCTGNAATGGAAACACAAAGTAGCCATAAAGACTCTT AAACANGCACAATGTTCCCCGAATCATTCTTTGAGAAGCGCANATCATGNAGAAGCTG AAGCCACGACAGCTGG
Restriction Sites:	Please inquire
ACCN:	NM_153048
Insert Size:	2000 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:	<ol style="list-style-type: none"> 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_153048.1 , NP_694593.1
RefSeq Size:	2000 bp
RefSeq ORF:	1449 bp
Locus ID:	2534
UniProt ID:	P06241
Cytogenetics:	6q21
Domains:	pkinase, SH2, TyrKc, SH3, S_TKc

Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Adherens junction, Axon guidance, Fc epsilon RI signaling pathway, Focal adhesion, Natural killer cell mediated cytotoxicity, Pathogenic Escherichia coli infection, Prion diseases, T cell receptor signaling pathway, Viral myocarditis
Gene Summary:	<p>This gene is a member of the protein-tyrosine kinase oncogene family. It encodes a membrane-associated tyrosine kinase that has been implicated in the control of cell growth. The protein associates with the p85 subunit of phosphatidylinositol 3-kinase and interacts with the fyn-binding protein. Alternatively spliced transcript variants encoding distinct isoforms exist. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, and lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a. 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>