

Product datasheet for **SC124654**

FYB1 (NM_199335) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FYB1 (NM_199335) Human Untagged Clone
Tag:	Tag Free
Symbol:	FYB1
Synonyms:	ADAP; FYB; PRO0823; SLAP-130; SLAP130; THC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_199335, the custom clone sequence may differ by one or more nucleotides

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ATGGCGAAATATAACACGGGGGCAACCCGACAGAGGATGTCTCAGTCAATAGCCGACCCTTCAGAGTCA
CAGGGCCAAACTCATCTTCAGGAATACAAGCAAGAAAGAAGCTTATTCAACAACCAAGGAAATGCCAGGCC
TCCTGCAGGACCCAGCAATGTACCTAAGTTTGGGTCCCCAAAGCCACCTGTGGCAGTCAAACCTTCTTCT
GAGGAAAAGCCTGACAAGGAACCAAGCCCCGTTTCTAAAGCCACTGGAGCAGGCCAAAGATTGGAA
CACCAGCCAGCTTGACCACCAGAGACCCGAGGCGAAAGTGGGATTTCTGAAACCTGTAGCCCCAAGCC
CATCAACTTGCCCAAAGAAGATTCCAAACCTACATTTCCCTGGCCTCCTGGAAACAAGCCATCTCTTCAC
AGTGTAACCAAGACCATGACTTAAAGCCACTAGGCCGAAATCTGGGCCTACTCCTCAAACCTCAGAAA
ATGAACAGAAGCAAGCGTTTCCCAAATTGACTGGGGTTAAAGGGAAATTTATGTCAGCATACAAGATCT
TGAACCAAGCCCTCTCCCAAACCCGCTTTGGCCAGAAGCCGCCCTAAGTACCGAGAAGCTCCCAT
GAAGACGAAAGCCCATGAAGAATGTGTCTTCATCAAAGGGTCCCAGCTCCCCTGGGAGTCAGGTCCA
AAAGCGGCCCTTTAAACCAAGCAAGGGAAGACTCAGAAAATAAGACCATGCAGGGGAGATTTCAAGTTT
GCCCTTCTGGAGTGGTTTTGAAACCTGCTGCGAGCAGGGGAGGCCAGGTCTCTCCAAAAATGGTGAA
GAAAAAAGGAAGATAGGAAGATAGATGCTGCTAAGAACACCTTCCAGAGCAAAAATAATCAGGAAGAGT
TGGCCTCAGGGACTCCTCCTGCCAGTTCCCTAAGGCCCTTCTAAGCTGACAGTGGGGGGGCCATGGGG
CCAAAGTCAGGAAAAGGAAAAGGAGACAAGAATTCAGCCACCCCGAAACAGAAGCCATTGCCTCCCTTG
TTTACCTTGGGTCCACCTCCACCAAAACCAACAGACCACCAATGTTGACCTGACGAAATTCACAAAA
CCTTTCTGGAACAGTACTAGCAAAGGCCAGAGCTTACTCAACAACCTCCCTGCCACCACCTCCACC
ATCCCATCCGGCCAGCCAACCACCATGCCAGCATCTCACCCATCACAACCACAGTCCCAAGCCTACCT
CCCAGAAACATTAACCTCCGTTTGACCTAAAAAGCCCTGTCAATGAAGACAATCAAGATGGTGTACGC
ACTCTGATGGTGTGGAATCTAGATGAGGAACAAGACAGTGAAGGAGAAACATATGAAGACATAGAAGC
ATCCAAAGAAAAGAGAGAAGAAAAGGAAAAGGAAGAAAAGAGAGTTAGAGCTGGAGAAAAAGGAACAG
AAAGAGAAAAGAAAAGAAAGAAAGAAATAAAGAAAGAAATTTAAACTAACAGGCCCTATTCAAGTCATCC
ATCTTGCAAAAAGCTTGTGTGATGTCAAAGGAGGAAAAGAAATGAACTGAGCTTCAAGCAAGGAGAGCAAAT
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TATATTAACAACACTGCTGTAGAGATTGACTATGATTCTTTGAAACTGAAAAAGACTCTCTTGGTGCC
CTTCAAGACCTATTGAAGATGACCAAGAAGTATATGATGATGTTGCAGAGCAGGATGATATTAGCAGCCA
CAGTCAGAGTGGAAAGTGGAGGGATATCCCTCCACCACCATGATGACATTTATGATGGGATTGAAGAG
GAAGATGCTGATGATGGTTTCCCTGCTCCTCTAAACAATTGGACATGGGAGATGAAGTTTACGATGATG
TGGATACCTCTGATTTCCCTGTTTCATCAGCAGAGATGAGTCAAGGAACTAATGTTGGAAAAGCTAAGAC
AGAAGAAAAGGACCTTAAGAAGCTAAAAAGCAGGAAAAAGAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA
TATGATGGTGAATTAGAGTCTATATTTCAACTAAAGTTACAACCTCCATAACTTCTAAAAAGTGGGGAA
CCAGAGATCTACAGGTAAAACCTGGTGAATCTCTAGAAGTTATACAAACCACAGATGACACAAAAGTTCT
CTGCAGAAATGAAGAAGGAAATATGGTTATGTCTTCGGAGTTACCTAGCGGACAATGATGGAGAGATC
TATGATGATATTGCTGATGGCTGCATCTATGACAATGACTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_199335 unedited
 NGGTCAGGATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCATCTTCG
 GGGTCATTGTGTGCCAGGCATATCAACTCTTTTCAATAAAAAGGATGGAAAGGCAGATGT
 AAAGTCCCTCATGGCGAAATATAACACGGGGGCAACCCGACAGAGGATGTCTCAGTCAA
 TAGCCGACCCCTCAGAGTCACAGGGCCAACTCATCTTCAGGAATACAAGCAAGAAAGAA
 CTTATTTCAACAACCAAGGAAATGCCAGCCCTCCTGCAGGACCCAGCAATGTACCTAAGTT
 TGGGTCCCCAAAGCCACCTGTGGCAGTCAAACCTTCTTCTGAGGAAAAGCCTGACAAGGA
 ACCCAAGCCCCCTTTCTAAAGCCCACTGGAGCAGGCCAAAGATTGGAACACCAGCCAG
 CTTGACCACCAGAGACCCGAGGCGAAAGTGGGATTTCTGAAACCTGTAGCCCCAAGCC
 CATCAACTTGCCCAAAGAAGATTCCAAACCTACATTTCCCTGGCCTCCTGGAAACAAGCC
 ATCTCTTCACAGTGTAACCAAGACCATGACTTAAAGCCACTAGGCCCGAAATCTGGGCC
 TACTCCTCAACCTCAGAAAATGAACAGAAGCAAGCGTTTCCCAAATTGACTGGGGTTAA
 AGGGAAATTTATGTCAGCATCACAAGATCTTGAACCAAGCCCCTTCCCCAAACCCGC
 CTTTGGCCAGAAGCCGCCCTAAGTACCGAGAACTCCCATGAAGACGAAAGCCCCATGAA
 GAATGTGTCTTCATCAAAGGGTCCNCAGCTCCCTGNGAGTCANGTCCAAGCGGNCCT
 TTTAAACAGCAGGAAGACTCANAATAAAGACATGCAGGGAGATTTAGNTTGCCTTT
 CTGGAGTGTTTTGAACCTGCNTGCACAGGGGAGCCCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_199335 unedited
 GCCCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATCCATTGAAGGT
 ATTATTTATTTGCAGCTCATCTTAAAGTGACAAAATCCATACAGAAGACTATAACAGAAA
 TCATATTTAATATATTAATAAATAACTTCAAATATCTTTCACATTAAGATGATTATCTA
 TTGTGTAATCTTTCCTAGGTATGTGTGTCTGTTCTTGATGTGTAACCAAAACTCTGA
 AATATTCTCTTGATCTAACTTTGACTTTTAAAACTGACATTGTACTGAATTTACATAAT
 TCTCAATCAGAAAAAAATTAAGTGTGAGTCTGCAATGCAAGTCTGCCCAATGAAGGCAG
 GAGGAGGGATGGCTGGAAGTGTCTCAGGGCACTCTGAAAGTTTAGCAAGCTTATCAAGGA
 GTCCTCAAACCTAAAGCTGGCCAAAACTTCAGCATAAAAACTATCCTGTCTGTGATTAT
 ATATATTTATTACCAAATTAATAAACAACCACTTTTGAACCAGGTAATTTTATCTA
 GTGTGAAAAGAAATTAATCACATGGTCATATACTGGCTAGTGTCTCTAAAAGTAGACAT
 TAAAATTTTCAATAATTGGAGGGAATCTTTGGAGATTAGTGGCATCTAATCTTGGGGCCT
 CAGACCCCAAAATCTATATATTGACCAGTGGAAGTTGATGATTTGTTATCAAATTTCAA
 AGCACCTAATGGAAACCCCACTTCATCTCTGTGAAGATTTTCAGTTCNNTTACAGTTATT
 TGAAAATATTTCAATTCTGTGGAGCCACTTCAGAAAACCTCATGGGCCNTTTGCATTTAA
 AATGTGGGAGATGCATTAATCATTATTTAATNNCATGAGTTAAAAAATAGACAAAGCTTC
 TGAANCATGGGACTGNAGTANNCGGAGCATATTAAGCCTAANGGTATTGGTANTGAA
 AAGTGGGAAAACTTACTAGTCTAATATTGTNANTTACGAATAGGNAACTCGAAAGAAAA
 ATATTTTCCATTACACTCGAGGTTCAATTA

Restriction Sites:

NotI-NotI

ACCN:

NM_199335

Insert Size:

4130 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_199335.2](#), [NP_955367.1](#)

RefSeq Size: 4738 bp

RefSeq ORF: 2352 bp

Locus ID: 2533

UniProt ID: [O15117](#)

Cytogenetics: 5p13.1

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is an adapter for the FYN protein and LCP2 signaling cascades in T-cells. The encoded protein is involved in platelet activation and controls the expression of interleukin-2. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
Transcript Variant: This variant (2) differs in the 5' UTR, uses a downstream start codon, and lacks an alternate in-frame exon in the 3' coding region compared to variant 3. The resulting isoform (2) has a shorter N-terminus and lacks an internal segment compared to isoform 3.
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.