

## Product datasheet for **RG234946**

### **FYB1 (NM\_001243093) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FYB1 (NM_001243093) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FYB1
Synonyms:	ADAP; FYB; PRO0823; SLAP-130; SLAP130; THC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG234946 representing NM\_001243093  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATGGAAAGGCAGATGTAAGTCCCTCATGGCGAAATATAACACGGGGGCAACCCGACAGAGGATG  
 TCTCAGTCAATAGCCGACCTTCAGAGTACAGGGCCAAACTCATCTTCAGGAATACAAGCAAGAAAGAA  
 CTTATTCAACAACCAAGGAAATGCCAGCCCTCCTGCAGGACCCAGCAATGTACCTAAGTTTGGGTCCCA  
 AAGCCACCTGTGGCAGTCAAACCTTCTTCTGAGGAAAAGCCTGACAAGGAACCAAGCCCCGTTTCTAA  
 AGCCCACTGGAGCAGGCCAAAGATTCGGAACACCAGCCAGCTTGACCACCAGAGACCCGAGGCGAAAGT  
 GGGATTTCTGAAACCTGTAGGCCCAAGCCATCAACTTGCCCAAAGAAGATTCCAAACCTACATTTCCC  
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 AAGCCGCCCTAAGTACCGAGAACTCCCATGAAGACGAAAGCCCATGAAGAATGTGTCTTCATCAAAG  
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 ACCCGGAAACAGAAGCCATTGCCTCCCTTGTTTACCTTGGGTCCACCTCCACAAAACCCAAACAGACCAC  
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 ACTTCCATAACTTCTAAAAAGTGGGAACAGAGATCTACAGGTAACCTGGTGAATCTCTAGAAGTTA  
 TACAAACACAGATGACAAAAAGTTCTCTGCAGAAATGAAGAAGGGAATATGGTTATGCTTCCGGAG  
 TTACCTAGCGACAATGATGGAGAGATCTATGATGATATTGCTGATGGCTGCATCTATGACAATGAC

**ACCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG234946 representing NM\_001243093  
 Red=Cloning site Green=Tags(s)

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MDGKADVKSMAKYNTGGNPTEDVSVNSRPFVRTGPNSSSGIQARKNLFNNQGNASPPAGPSNVPKFGSP
KPPVAVKPSSEKPKDKEPKPPFLKPTGAGQRFGTASLTTRDPEAKVGFLLKPVGPKPINLPKEDSKPTFP
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KPPLSTENSHEDSPMKNVSSSKGSPAPLGVRSKSGPLKPARESENKDHAGEISSLPFPGVVLKPAASR
GGPGLSKNGEKKEDRKIDAAKNTFQSKINQEELASGTPPARFPKAPSKLTVGGPWGQSQEKEKGDKNSA
TPKQKPLPPLFTLGPPPKPNRPPNVDLTKFHKTSSGNSTSKGQTSYSTTSLPPPPPSHPASQPPLPASH
PSQPPVPSLPPRNIKPPFDLKSPVNEQDQGVTHSDGAGNLDEEQDSEGETYEDIEASKEREKKREKEEK
KRLELEKKEQKEKEKEQEIKKKFKLTGPIQVIHLAKACCDVKGKKNELSFQGEQIEIIRITDNPEGKW
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DMGDEVYDDVDTSDFPVSSAEMSGTNGKAKTEEDLKKLKKQEKEEKDFRKKFKYDGEIRVLYSTKVT
TSITSKKWGTRDLQVKPGESLEVIQTDDTKVLCRNEEGKYGYVLRSYLADNDGEIYDDIADGCIYDND
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**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\\_001243093.2](#)

**RefSeq Size:** 4811 bp

**RefSeq ORF:** 2520 bp

**Locus ID:** 2533

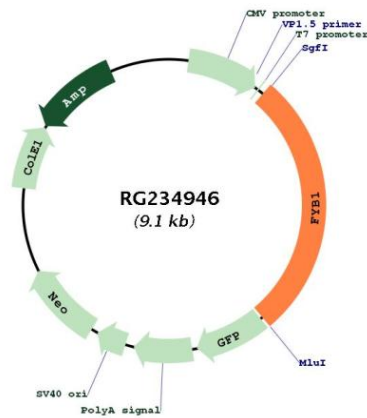
**UniProt ID:** [O15117](#)

**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]

**Product images:**



Circular map for RG234946