

## Product datasheet for **RG214537**

### **FYB1 (NM\_001465) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FYB1 (NM_001465) 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)



[View online »](#)

ORF Nucleotide  
Sequence:

>RG214537 representing NM\_001465  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGAAATATAACACGGGGGCAACCCGACAGAGGATGTCTCAGTCAATAGCCGACCCTTCAGAGTCA  
CAGGGCCAAACTCATCTTCAGGAATACAAGCAAGAAAGAACTTATTCAACAACCAAGGAAATGCCAGCCC  
TCCTGCAGGACCCAGCAATGTACCTAAGTTGGGTCCCAAGCCACCTGTGGCAGTCAAACCTTCTTCT  
GAGGAAAAGCCTGACAAGGAACCAAGCCCCGTTTCTAAAGCCCACTGGAGCAGGCCAAAGATTCGGAA  
CACCAGCCAGCTTGACCACCAGAGACCCGAGGCGAAAGTGGGATTTCTGAAACCTGTAGCCCCAAGCC  
CATCAACTTGCCCAAAGAAGATTCCAAACCTACATTTCCCTGGCCTCCTGGAAACAAGCCATCTCTTAC  
AGTGTAACCAAGACCATGACTTAAAGCCACTAGGCCGAAATCTGGGCCTACTCCTCAACCTCAGAAA  
ATGAACAGAAGCAAGCGTTTCCCAAATTGACTGGGTTAAAGGAAATTTATGTCAGCATACAAGATCT  
TGAACCAAGCCCCTTCCCAAAACCCGCTTTGGCCAGAAGCCGCCCTAAGTACCGAGAAGTCCCAT  
GAAGACGAAAGCCCATGAAGAATGTGTCTTCATCAAAAGGGTCCCAAGCTCCCTGGGAGTCAGGTCCA  
AAAGCGGCCCTTTAAACCCAGCAAGGGAAGACTCAGAAAATAAAGACCATGCAGGGGAGATTTCAAGTTT  
GCCCTTTCCTGGAGTGGTTTTGAAACCTGCTGCGAGCAGGGGAGGCCAGGTCTCTCAAAAAATGGTGAA  
GAAAAAAGGAAGATAGGAAGATAGATGCTGCTAAGAACCTTCCAGAGCAAAAATAATCAGGAAGAGT  
TGGCCTCAGGGACTCCTCCTGCCAGTTCCCTAAGGCCCTTCTAAGCTGACAGTGGGGGGGCCATGGGG  
CCAAAGTCAGGAAAAGGAAAAGGAGACAAGAATTCAGCCACCCGAAACAGAAGCCATTGCCTCCCTTG  
TTACCTTGGGTCCACCTCCACCAAAACCAACAGACCACCAATGTTGACCTGACGAAATCCACAAAA  
CCTCTTCTGAAACAGTACTAGCAAAAGGCCAGAGCTTACTCAACAACCTCCCTGCCACCACCTCCACC  
ATCCCATCCGGCCAGCCAACCACCTTGGCAGCATCTCACCATACAACCACCAAGTCCCAAGCCTACCT  
CCCAGAAACATTAACCTCCGTTTGACCTAAAAAGCCCTGTCAATGAAGACAATCAAGATGGTGTACGC  
ACTCTGATGGTGTGAAATCTAGATGAGGAACAAGACAGTGAAGGAGAAACATATGAAGACATAGAAGC  
ATCCAAAGAAAGAGAGAAGAAAAGGAAAAGGAAGAAAAGAAGAGGTTAGAGCTGGAGAAAAGGAACAG  
AAAGAGAAAAGAAAAGAAACAAGAAATAAAGAAAGAAATTTAACTAACAGGCCCTATTCAAGTCATCC  
ATCTTGCAAAAGCTTGTGTGATGTCAAAGGAGGAAAGAATGAACTGAGCTTCAAGCAAGGAGAGCAAAT  
TGAATCATCCGCATCACAGACAACCCAGAAGGAAAATGGTTGGCAGAACAGCAAGGGGTTTATATGGC  
TATATTAACAACCTGCTGTAGAGATTGACTATGATTCTTTGAACTGAAAAAGACTCTCTTGGTGCCC  
CTTCAAGACCTATTGAAGATGACCAAGAAGTATATGATGATGTTGCAGAGCAGGATGATATTAGCAGCCA  
CAGTCAGAGTGGAAAGTGGAGGGATATCCCTCCACCACAGATGATGACATTTATGATGGGATTGAAGAG  
GAAGATGCTGATGATGGCTCCACTACAGGTTCAAGAGAAGAGTAATACGTGGTCTGGGGGATTTTGA  
AGATGTTAAAGGGAAAAGATGACAGAAAAGAAAAGTATACGAGAGAAAACCTAAAGTCTCTGACTCAGACAA  
TAATGAAGGTTTCACTTTCCCTGCTCCTCCTAAACAATTGGACATGGGAGATGAAGTTTACGATGATGTG  
GATACCTCTGATTTCCCTGTTTCATCAGCAGAGATGAGTCAAGGAACTAATGTTGGAAAAGCTAAGACAG  
AAGAAAAGGACCTTAAGAAGCTAAAAAGCAGGAAAAGAAAAGAAAGAAAGACTTCAGGAAAAATTTAATA  
TGATGGTGAATTAGAGTCTATATTCAACTAAAGTTACAACCTCCATAACTTCTAAAAAGTGGGGAACC  
AGAGATCTACAGTAAAACCTGGTGAATCTCTAGAAGTTATACAACCACAGATGACACAAAAGTTCTCT  
GCAGAAAATGAAGAAGGGAATATGGTTATGTCCTTCGGAGTTACCTAGCGGACAATGATGGAGAGATCTA  
TGATGATATTGCTGATGGCTGCATCTATGACAATGAC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG214537 representing NM\_001465  
 Red=Cloning site Green=Tags(s)

```

MAKYNTGGNPTEDVSVNSRPFVRTGPNSSSGIQARKNLFNNQGNASPPAGPSNVPKFGSPKPPVAVKPSS
EEKPDKEPKPPFLKPTGAGQRFGTPASLTTRDPEAKVGFLKPVGPKPINLPKEDSKPTFPWPPGNKPSLH
SVNQDHDLKPLGPKSGPTPPTSENEQQAFFKLTGVKGFMSASQDLEPKPLFPKPAFGQKPPPLSTENSH
EDESMPKNVSSSKGSPAPLGVRSKSGPLKPAREDSENKDHAGEISSLFPFGVVLKPAASRGGPGLSKNGE
EKKEDRKIDAAKNTFQSKINQEELASGTPPARFPKAPSKLTVGGPWGQSQEKEKGDKNSATPKQKPLPPL
FTLGPPPPKPNRPPNVDLTKFHKTSSGNSTSKGQTSYSTTSLPPPPPSHPASQPPLPASHPSQPPVPSLP
PRNIKPPFDLKSPVNEDNQDGVTHSDGAGNLDEEQDSEGETYEDIEASKEREKKREKKEKRLELEKKEQ
KEKEKKEQEIKKKFKLTGPIQVIHLAKACCDVKGGKNELSFKQGEQIEIIRITDNPEGKWLGRARGSYG
YIKTTAVEIDYDSLKKKDSLGAAPSRPIEDDQEVYDDVAEQDDISSHSQSGSGGIFPPPPDDDIYDGIEE
EDADDGSTLQVQEKSNWTSWILKMLKGGKDRKKSIREKPKVSDSDNNEGSSFPAPPKQLDMGDEVYDDV
DTSDFPVSSAEMSQGTNVGKAKTEEDLKKLKKQEKEEKDFRKKFKYDGEIRVLYSTKVTTITSKKWGT
RDLQVKPGESLEVIQTDDTKVLCRNEEGKYGYVLRSYLADNDGEIYDDIADGCYDND
  
```

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\\_001465.6](#)

**RefSeq Size:** 4876 bp

**RefSeq ORF:** 2490 bp

**Locus ID:** 2533

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

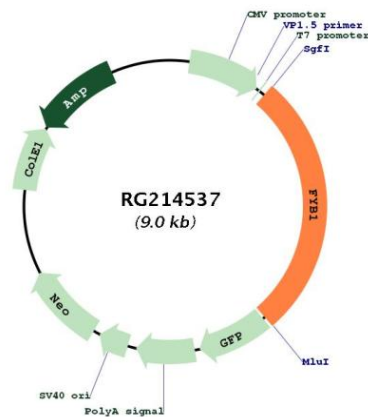
**Cytogenetics:** 5p13.1

**Domains:** SH3

**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 RG214537