

Product datasheet for **RC234946**

FYB1 (NM_001243093) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FYB1 (NM_001243093) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FYB1
Synonyms:	ADAP; FYB; PRO0823; SLAP-130; SLAP130; THC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234946 representing NM_001243093
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

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Protein Sequence: >RC234946 representing NM_001243093
Red=Cloning site Green=Tags(s)

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MDGKADVKS LMAKYNTGGNPTEDVSVNSRPFVRTGPNSSSGIQARKNLFNNQGNASPPAGPSNVPKFGSP
KPPVAVKPSSEKPKDKEPKPPFLKPTGAGQRFGTASLTTRDPEAKVGF LKPVGPKPINLPKEDSKPTFP
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001243093

ORF Size: 2517 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001243093.2](#)

RefSeq Size: 4811 bp

RefSeq ORF: 2520 bp

Locus ID: 2533

UniProt ID: [O15117](#)

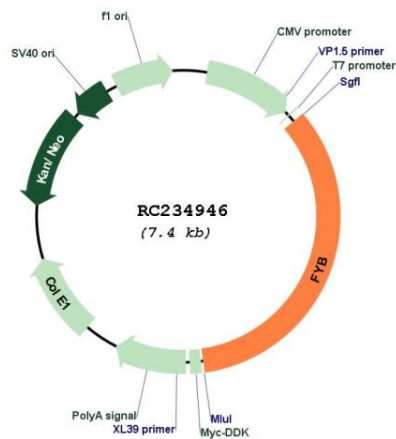
Cytogenetics: 5p13.1

Protein Families: Druggable Genome

MW: 92.1 kDa

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 RC234946