

Product datasheet for **MC228912**

Fyb (NM_001278269) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fyb (NM_001278269) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fyb
Synonyms:	A; ADAP; B630013F22Rik; FYB-120/130; Fyb1; p120/130; p120/p130; Slap130
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228912 representing NM_001278269
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGTTCAACACGGGGAGTAACCCGACAGAGGAGGCCACCAGCAGCAGGCCCTTCAAAGTTG
 CAGGACAAAGCTCGCCTTCTGGAATACAATCAAGAAAGAATTTATTTGACAACCAAGGAAATGCCAGCCC
 GCCCGCAGGACCCAGCAGCATGCCTAAATTTGGGACCACAAAACACCCTTGGCAGCGAAACCTACCTAC
 GAGGAGAAGCCTGAGAAGGAACCTAAACCCCGTTTTTAAAACTACTGGAGGGAGCCAAAGATTTGGAA
 CACAGCCAAACTCAGTTTCTAGAGACCCTGAGGTCAAAGTGGGGTTCTGAAACCTGTAAGCCCCAAACC
 CACCAGCTTGACCAAAGAAGATTCAAACCTGTGGTTTTACGGCCACCTGGGAATAAACTTCACAATTTG
 AACCAAGAGTCTGACTTAAAGACGCCAGGACCGAAGCCAGGGCCCGCTCCCCAGTCCAGAAAACGAAC
 TGAAGCCAGGATTCTCAAAGGTAGCTGGAGCTAAGAGCAAGTTCATGCCAGCGGCACAAGATACTGACTC
 CAAACCCCGATTTCCAGACACACCTTTGGCCAGAAGCCATCCCTAAGCACAGAGGACTCCAGGAAGAG
 AACACTTCTAAGAACGTGCCTGTCCAGAAAGGATCCCCAGTGCAGTTGGGCGCCAAGTCCAAGGGCGCCC
 CTTTCAAACCACCTAAGGAAGACCCAGAGGATAAAGACCATGGAGCACCAGTTCACCCCTTCTGGAGT
 GGTCTGAAACCTGCTGCGAGCAGAGGGAGCCGGGTCTCTCAAACCTTTGAAGAAAAAAGAAGAT
 AGGAAAACAGACCTTGCAAAGAACATCTTTCTGAACAACTGAATCAAGAAGAGCCGGCCAGATTCCTA
 AGGCCCTTCAAAGCTGACAGCGGGGACACCGTGGGGCCAAAGTCAAGGAGAAAGAAGGAGACAAGAATTC
 TGCAACCCCGAAGCAGAAGGCCCTGCCACCCCTGTCCGTCTTGGGCCCGCTCCACCAAGCCCAACAGA
 CCACCAACGTTGACCTGACCAGATTCCGAAAGGCTGACTCTGCAACAGTGCACCAAAAGCCAGACAC
 CTTACTCGAACAATCCCTGCCACCACCTCCGCTACACATCCAGCCAGCCAGCCACCTCTGCCAGCGTC
 TACCCAGCGCATCCGCCAGTCCCGAGCTCCCGCCAGAAACATCAAACCTCCCTTGACCTGAAACAT
 CCTATAAATGACGAAAATCAAGATGGTGTGATGACTCTGATGGTACTGGAAATCTAGAAGGAAACAAG
 AGAGTGAAGGGGAAACATACGAAGACATAGATTCTAAGGAACGAGACAAGAAACGGGAAAAAGAAGA
 AAAGAAGAGGTTGGAACAGAACGAAAGGAGCAGAAGGAGAGAGAAGAAAGAGCAAGAAGTGAAGAAG
 AAATTCAGCTCACGGGCCCATCAAGTCATCCACCATGCAAAAGCCTGCTGCGATGTCAAAGGAGGAA
 AGAATGAGCTGAGCTTCAAACAAGGAGAGGACATTGAGATTATCCGCATCACAGACAACCCAGAAGGAAA
 ATGGCTGGGCAGGACTGCAAGGGGTATATGGTTATATTAACAACCTGCCGTGGAGATTGACTATGAT
 TCGCTGAAACGGAAGAAGAACTCCCTCAATGCTGTCCACCAAGACTTGTGAAGATGACCAGGATGCT
 ATGATGATGTGGCTGAGCAGGATGCCCTAACAGCCACGGTCAGAGCGGAAGTGGAGGGATGTTCCCCC
 GCCACCAACAGACGACGAGATCTATGACGGAATAGAGGAGGAAGATGATGACGATGGTCTCCCTTCTCAG
 CATAAGCAACTGGATGTGGGAGAAGAAGTTACGATGATGTGGATGCCTCAGACTTCCCTCCTCCACCTG
 CAGAGATGAGTCAAGGAATGAGTGTGGAAGGGCAAAACGGAAGAGAAAGATCCCAAGAAGCTAAAAAA
 GCAAGAAAAGGAAGAAAAGACCTCAGGAAAAATTTAAGTACGACGGTGAATTCGAGTTCTATATTCA
 ACTAAAGTTGCGTCCTCCTAACCTCTAAAAAGTGGGGAGCGAGAGATCTGCAGATAAAACCTGGGGAGT
 CACTCGAAGTTATACAAAGCACAGATGACACCAAGTTCTCTGCAGGAATGAAGAGGGCAAATATGGTTA
 TGTCTTCGGAGTTACCTGGTGGACAATGATGGAGAAATCTATGACGACATCGCTGATGGTTGCATCTAT
 GACAATGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001278269
Insert Size: 2322 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001278269.1</u> , <u>NP_001265198.1</u>
RefSeq Size:	4859 bp
RefSeq ORF:	2322 bp
Locus ID:	23880
UniProt ID:	<u>O35601</u>
Cytogenetics:	15 A1
Gene Summary:	<p>The protein encoded by this gene is an adapter molecule that affects T cell receptor signaling and contains multiple protein-protein interaction domains. It is thought to couple T cell receptor stimulation with activation of integrin function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform 2 which is shorter compared to isoform 1.</p> <p>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>