

## Product datasheet for **MC227618**

### Fam53b (NM\_175268) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam53b (NM_175268) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam53b
Synonyms:	A930008G19Rik; mKIAA0140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC227618 representing NM\_175268  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGATGATCCTAAGGAGAAGCCTCATCAACCAGGAGCTGACTCTGGAGCACACAGGACCTTCATCC  
 CTGAAGTGCACACGCCAAAGATGAGTCAAGGACCTACCCTCCTTTCTGTGGAATTATGGAAAATGACAG  
 ATGGCGAGACCTGGATAGAAAATGCCCTCTTCAGATTGACCAGCCAAGCGCCAGCATCTGGGAATGTCTG  
 CCTGAAAAGTGTGAGGATGGCTCCCTGTGGCACCAGGAGGCAGTACTGCCTGTGCGGTGACCAGCCTAA  
 TCAAAGACCTCAACATAAATGACCACAATGGGAACCCCTCAGCTCCTCCCAGCAAACGCCAGTCCCGGTC  
 ACTATCCTTCTCTGATGAGATGTCCAGTTGCCGGACGTCATGGCGGCCCTTGGGGTCCAAAGTCTGGACT  
 CCCGTGGAGAAGAGACGATGCTACAGCGGAGGCAGCGTCCAGCGTACTCCAATGGCGTCAGCCCCATGC  
 AGCGGAGCTCTAGCTTCAGCCTCCCTGCCAGGGCCAATGGGCTCTCTTACCTTGCCACCAGTCGAGCCT  
 GCACCACCGCTTTGGGGGCAACCCTGCCAAGGAGCACCAGGCTCAGCCCCTGTGGACAGGCGGGTGAT  
 AGCTGGAGCCCAGACCCACCCAGTGGGAGGGGGCCGGCTGGACCTGCAGCGGTCCCTCTTGTCTCGC  
 ATGAGCAGTTTTCTTCCAGAATACTGTCCCCCTCAGCCAACAGCACACCTGCCTCAACGCCAGAGCT  
 GGCAAGACGCTCCAGTGGGCTTGCCCGCAGCCGCTCTCAGCCCTGTGTCCTTAATGACAAGAAGATCGGT  
 GTGAAACGGCGCGCTCCGGATGAAGTGCAGGAGCAAAGACCTTCTTAGACCTTGCCAAGATGGCACAGA  
 ACTGTCAGACCTTCAGCAGCCTCAGTTGCCTGAACATGGGGTGGACGACCACAGCTCCCAGAGCCCCTT  
 TGCCCTCGTCAGCAGTACCCGATCCTGGACCGCATTGCTCTCAGCCTCCAGCCAGGGGGCAGGACTCCT  
 GCTGGGACCCAGTTCCTGAGCCTGTCCCCACTCCTTTGATGACCAGTTCACCTGCCAGGAGGACCTAT  
 CCTGTGACGAGTCAGATGGCTGCAGTCTAGATGAGGATTGCTGCAGGAAGGGGGATCCGGCCACATCCTG  
 CGGGACCGGGGAGCCTGCACGAACAGCCTCTGCTCTTTGGATGGCGAGCTGGACATTGAGCAGATAGAG  
 AACAACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_175268
- Insert Size:** 1269 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:**

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\\_175268.4](#), [NP\\_780477.2](#)

**RefSeq Size:** 5148 bp

**RefSeq ORF:** 1269 bp

**Locus ID:** 77938

**UniProt ID:** [Q8BGR5](#)

**Cytogenetics:** 7 F3

**Gene Summary:** Acts as a regulator of Wnt signaling pathway by regulating beta-catenin (CTNNB1) nuclear localization.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).