

## Product datasheet for **MC207771**

### Fam53b (NM\_212473) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam53b (NM_212473) 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:** >MC207771 representing NM\_212473  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGTGATGATCCTAAGGAGAAGCCTCATCAACCAGGAGCTGACTCTGGAGCACACAGGACCTTCATCC  
 CTGAACTGCACACGCCAAAGATGAGTCAAGGACCTACCCTCCTTTCTGTGGAATTATGGAAAATGACAG  
 ATGGCGAGACCTGGATAGAAAATGCCCTTTCAGATTGACCAGCCAAGCGCCAGCATCTGGGAATGTCTG  
 CCTGAAAAGTGTGAGGATGGCTCCCTGTGGCACCAGGAGGCAGTACTGCCTGTGCGGTGACCAGCCTAA  
 TCAAAGACCTCAACATAAATGACCACAATGGGAACCCCTCAGCTCCTCCAGCAAACGCCAGTGCCGGTC  
 ACTATCCTTCTGATGAGATGTCCAGTTGCCGGACGTCATGGCGGCCCTTGGGGTCCAAAGTCTGGACT  
 CCCGTGGAGAAGAGACGATGCTACAGCGGAGGCAGCGTCCAGCGTACTCCAATGGCGTCAGCCCCATGC  
 AGCGGAGCTCTAGCTTCAGCCTCCCTGCCAGGGCCAATGGGCTCTTTCACCTTGCCACCAGTCGAGCCT  
 GCACCACCGCTTTGGGGGCAACCCTGCCAAGGAGCACCAGGCTCAGCCCCTGTGGACAGGCGGTGAT  
 AGCTGGAGCCCAGACCCACCCAGTGGGAGGGGGCCGGCTGGACCTGCAGCGGTCCCTCTTGTCTGC  
 ATGAGCAGTTTTCTTCCAGAATACTGTCCCCCTCAGCCAACAGCACACCTGCCTCAACGCCAGAGCT  
 GGCAAGACGCTCCAGTGGGCTTGCCCGCAGCCGCTCTCAGCCCTGTGCTTAATGACAAGAAGATCGGT  
 GTGAAACGGCGCGTCCGGATGAAGTGCAGGAGCAAAGACCTTCTTAGACCTTGCCAAGATGGCACAGA  
 ACTGTCAGACCTCAGCAGCCTCAGTTGCCTGAACATGGGGTGGACGACCACAGCTCCCAGAGCCCCTT  
 TGCCCTCGTCAGCAGTACCCGATCCTGGACCGCATTGCTCTCAGCCTCCAGCCCAGGGGGCAGGACTCCT  
 GCTGGGACCCAGTTCCTGAGCCTGTTCCCACTCCTTTGATGACCAGTTCACCTGCCAGGAGGACCTAT  
 CCTGTGACGAGTCAGATGGCTGCAGTCTAGATGAGGATTGCTGCAGGAAGGGGGATCCGGCCACATCCTG  
 CGGGACCGGGGAGCCTGCACGAACAGCCTCTGCTCTTTGGATGGCGAGCTGGACATTGAGCAGATAGAG  
 AACAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2156\\_e02.zip](https://cdn.origene.com/chromatograms/ja2156_e02.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_212473

**Insert Size:** 1269 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC035523</a></u> , <u><a href="#">AAH35523</a></u>
<b>RefSeq Size:</b>	5211 bp
<b>RefSeq ORF:</b>	1269 bp
<b>Locus ID:</b>	77938
<b>UniProt ID:</b>	<u><a href="#">Q8BGR5</a></u>
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	Acts as a regulator of Wnt signaling pathway by regulating beta-catenin (CTNNB1) nuclear localization.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).