

Product datasheet for **SC304152**

FAM53B (NM_014661) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM53B (NM_014661) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM53B
Synonyms:	bA12J10.2; KIAA0140; smp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304152 representing NM_014661. Blue=Insert sequence Red=Cloning site Green=Tag(s)

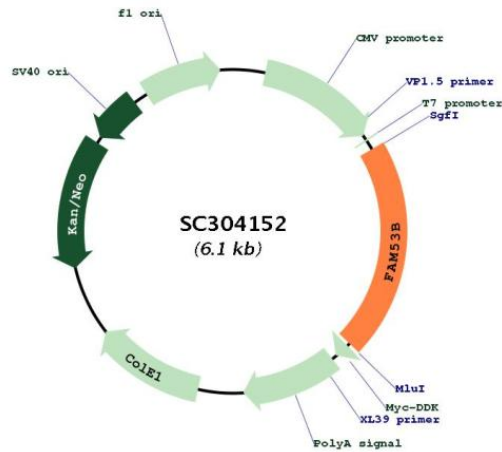
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGTGATGGTCCTAAGT GAAAGCCTCAGCACCCGGGAGCTGACTCCATTGCATGTGGGACCTTCAGC
CGTGAAGTGCACACGCCAAAGAAGATGAGTCAAGGACCTACACTTTTCTTGTGGAATTATGAAAAAT
GACAGATGGCGAGACCTGGACAGGAAATGCCCTCTTCAGATTGACCAACCGAGCACCAGCATCTGGGAA
TGCTGCCTGAAAAGGACAGCTCACTATGGCACCCGGGAGGCAGTGACCGCTGCGCTGTGACCAGTCTG
ATCAAAGACCTCAGCATCAGCGACCACAACGGGAACCCCTCAGCACCCCTAGCAAGCGCCAGTGCCGC
TCACTGTCCTTCCGATGAGATGTCCAGTTGCCGGACATCATGGAGGCCCTTGGCTCCAAAGTCTGG
ACTCCCGTGAAAAGAGACGCTGCTACAGCGGGGGCAGCGTCCAGCGCTATTCCAACGGCTTCAGCACC
ATGCAGAGGAGTTCCAGCTTCAGCTCCCTTCCCGGGCCAACGTGCTCTCCTCACCTGCGACCAGGCA
GGACTCCACCACCGATTTGGAGGGCAGCCCTGCCAAGGGGTGCCAGGCTCAGCCCGTGTGGACAGGCA
GGTGACACCTGGAGCCCTGACCTGCACCCCGTGGGAGGAGGCCGGCTGGACCTGCAGCGGTCCCTCTCT
TGCTCACATGAGCAGTTTCTTTGTGGAATACTGTCTCCCTCAGCCAACAGCACACCTGCCTCAACA
CCAGAGCTGGCGAGACGCTCCAGCGCCCTTCCCGCAGCCGCTCCAGCCGTGTGTCCTTAACGACAAG
AAGGTCGGTGTTAAAAGCGCGCCCTGAAGAAGTGAAGAGCAGAGGCCCTCTCTAGACCTTGCCAAG
ATGGCACAGAAGTGCAGACCTTCAGCAGCTCAGCTGCCTGAGCGCAGGACAGAGGACTGCGGTCCC
CAGAGCCCTTCGCCCGCCAGTCAAGCAACACCAGGGCCTGGACCGCCCTGCTCTCAGCCTCCGGCCCA
GGGGGCAGGACCCCGCTGGGACCCCGTCCCTGAGCCTCTTCCCTTCCCTTCGACGACCACCTCGCC
TGCCAGGAGGACCTGTCTGTGAGGAGTCAAGCAGCTGCGCCCTGGACGAGGATTGTGGCAGGAGAGCG
GAGCCGGCTGCAGCCTGGCGGGACCGGGGCCCTGGGAACAGCCTCTGCTCCCTGGACGGCGAGTTG
GACATTGAGCAGATAGAGAAGAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



[View online »](#)

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_014661

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_014661.3](#)

RefSeq Size: 5740 bp

RefSeq ORF: 1269 bp

Locus ID: 9679

UniProt ID:	Q14153
Cytogenetics:	10q26.13
Protein Families:	Druggable Genome
MW:	45.8 kDa
Gene Summary:	Acts as a regulator of Wnt signaling pathway by regulating beta-catenin (CTNNB1) nuclear localization.[UniProtKB/Swiss-Prot Function]