

## Product datasheet for **RG206180**

### FIBCD1 (NM\_032843) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FIBCD1 (NM_032843) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FIBCD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206180 representing NM_032843 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCAACGACCGGTGGAAGACCATGGGCGGCGCTGCCCAACTGAGGACCGGCCGCGGACAAGCCGC  
AGCGGCCGAGCTGCGGCTACGTGCTGTGCACCGTGTGCTGGCCCTGGCTGTGCTGGCTGTAGCTGT  
CACCGGTGCCGTGCTCTTCTGAACCACGCCACGCGCCGGGCACGGCGCCCCACCTGTCGTCACT  
GGGGCTGCCAGCGCAACAGCGCCGTGGTCACTGTGAAAGGGCGGACAGCTCGCACCTCAGCATCCTCA  
TTGACCGCGCTGCCCGACCTCACCGACCTTCGCACGCTGGAGAGCGCCAGGCCTCGTGTGCA  
GGCGCTGACAGAGCACCAAGGCCAGCCACGGCTGGTGGGCGACAGGAGCAGGAGCTGCTGGACAGCTG  
GCCGACCAGCTGCCCGGCTGCTGGCCGAGCCTCAGAGCTGCAGACGGAGTGCATGGGGCTGCGGAAGG  
GGCATGGCAGCTGGCCAGGGCCTCAGCGCCCTCAGAGTGAGCAGGGCCGCTCATCCAGCTTCTCTC  
TGAGAGCCAGGGCCACATGGCTCACCTGGTGAACCTCCGTCAGCGACATCCTGGATGCCCTGCAGAGGGAC  
CGGGGGCTGGCCGGCCCGCAACAAGGCCGACCTTCAGAGAGCGCTGCCCGGGAAACCGGCCCGGG  
GCTGTGCCACTGGCTCCCGGCCCGAGACTGTCTGGACGCTCCTAAGCGGACAGCAGGACGATGGCGT  
CTACTGTCTTTCCACCCACTACCGGCCGGCTTCCAGGTGTACTGTGACATGCGCACGGACGGCGGC  
GGCTGGACGGTGTTCAGCGCCGGGAGGACGGCTCCGTGAACCTTCTCCGGGGCTGGGATGCGTACCGAG  
ACGGCTTTGGCAGGCTACCGGGGAGCACTGGCTAGGGCTCAAGAGGATCCACGCCCTGACCACACAGGC  
TGCTACGAGCTGCACGTGGACCTGGAGGACTTTGAGAATGGCACGGCCTATGCCCGCTACGGGAGCTTC  
GGCGTGGGCTTGTCTCCGTGGACCCTGAGGAAGACGGGTACCGCTCACCGTGGCTGACTATCCGGCA  
CTGCAGGGGACTCCCTCTGAAGCACAGCGGCATGAGGTTACCACCAAGGACCGTGACAGCGACCATTC  
AGAGAACAAGTGTCCGCTTCTACCGCGGTGCCTGGTGGTACCGCAACTGCCACAGTCCAACCTCAAT  
GGGCAGTACCTGCGCGGTGCGCACGCTCCTATGCCGACGGCGTGGAGTGGTCTCTGGACCGGCTGGC  
AGTACTCACTCAAGTTCTCTGAGATGAAGATCCGGCCGGTCCGGGAGGACCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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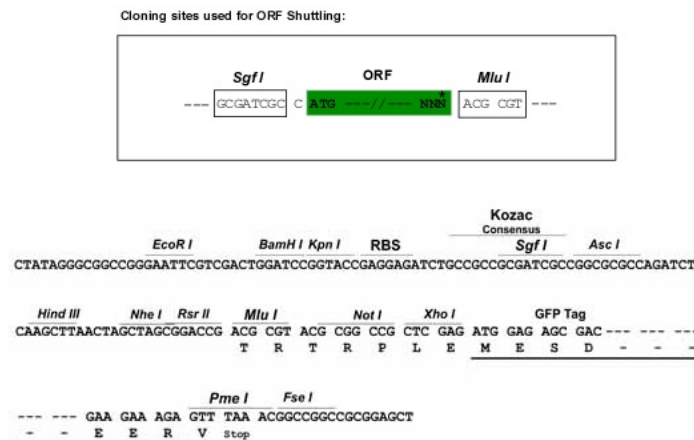
**Protein Sequence:** >RG206180 representing NM\_032843  
Red=Cloning site Green=Tags(s)

MVNDRWKTMGAAQLEDPRDPKQRPSCGYVLCVLLALAVLLAVAVTGAVLFLNHAHAPGTAPPPVST  
 GAASANSVVTVRADSSHLSILIDPRCPDLTDSFARLESAQASVLQALTEHQAQPRLVGDQEQELLDL  
 ADQLPRLARASELQTECMGLRKGHGTLGQLSALQSEQGRLIQLLSESQGHMAHLVNSVSDILDALQRD  
 RGLGRPRNKADLQRAPARGTRPRGCATGSRPRDCLDVLLSGQDDGVYSVFPPTHYPAGFQVYCDMRTDGG  
 GWTVFQRREDGSVNFVRGWDAYRDGFGRLTGEHWLGLKRIHALTTQAAYELHVDLEDFENGAYARYGSF  
 GVGLFSVDPEEDGYPLTVADYSGTAGDSLKXSGMRF<sup>+</sup>TTKDRSDHSENNCAAFYRGAWWYRNCHT<sup>+</sup>SNLN  
 GQYL<sup>+</sup>RGAHASYADGVEWSSWTGWQYSLKFSEM<sup>+</sup>KIRPVREDR

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_032843

**ORF Size:** 1383 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\\_032843.3](#), [NP\\_116232.2](#)

**RefSeq Size:** 3194 bp

**RefSeq ORF:** 1386 bp

**Locus ID:** 84929

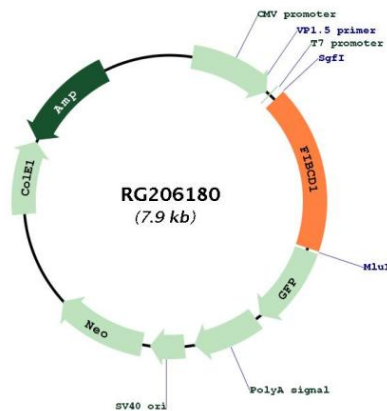
**UniProt ID:** [Q8N539](#)

**Cytogenetics:** 9q34.12

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** FIBCD1 is a conserved type II transmembrane endocytic receptor that binds chitin and is located primarily in the intestinal brush border (Schlosser et al., 2009 [PubMed 19710473]). [supplied by OMIM, Apr 2010]

**Product images:**



Circular map for RG206180