

Product datasheet for **MR203580**

Fibcd1 (NM_178887) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fibcd1 (NM_178887) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fibcd1
Synonyms: A1448887
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR203580 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTCACCTGGTGAACCTCAGTCAGTGATGTCCTGGAGGCTCTGCAGAGGGAGCGGGCCCTAGGCCGGC
CCCGTGTCAAGGCTGACCTTCAGAGGGCCCTTCCCGGGAGCCCGCCCGAGGCTGTGCTAATGGCTC
TCGGCCGCGGACTGCCTGGATGTTCTCCTGAGTGGACAGCAGGATGATGGTGTCTACTCTATCTCCCC
ACTCACTACCCAGCTGGCTTCCAGGTCTACTGTGACATGCGCACTGATGGTGGAGGCTGGACGGTATTTCC
AGCGCCGGGAAGATGGCTCTGTGAACCTTTTCCGAGGTTGGGAGGCGTACCGGGAGGCTTCGGCAAGCT
CACAGGAGAGCACTGGCTGGGGCTCAAGCGGATTCACGCCCTGACCACACAAGCAGCATACGAGCTTCAC
GTGGACCTAGAAGACTTTGACAACGGCACCCGCCTATGCCACTACGGGAGTTTTGGTGTGGGCTTGTCT
CTGTGGACCCCGAGGAGGATGGGTACCCACTCACGGTGGCTGACTACTCCGGCACCGCAGGTGACTCCCT
CCTGAAGCACAGTGGCATGAGGTTTACCACCAAGGACCGGGACAGCGACCACTCGGAGAACAACCTGTGCC
GCCTTCTACCGAGGAGCCTGGTGGTACCGCAACTGTACACATCCAACCTCAATGGCCAGTACCTGCGTG
GTGCACACGCCTCTACGCAGACGGCGTCGAGTGGTCTCTTGGACGGGATGGCAGTATTCACTCAAGTT
CTCGGAGATGAAGATCCGGCCGGTCCGTGAGGACCGC

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >MR203580 protein sequence
 Red=Cloning site Green=Tags(s)

MAHLVNSVSDVLEALQRERGLGRPRVKADLQRAPSRGARPRGCANGSRPRDCLDVLLSGQQDDGVYSIFP
 THYPAGFQVYCDMRTDGGGWTVFQRREDGSVNFVRGWEAYREGFGKLTGEHWLGLKRIHALTTQAAYELH
 VDLEDFDNGTAYAHYGSFGVGLFSVDPEEDGYPLTVADYSGTAGDSLKHKSGMRFTTKDRSDHSENNCA
 AFYRGAWWYRNCHTSLNLGQYLGAHASYADGVEWSSWTGWQYSLKFSEMKIRPVREDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_178887

ORF Size: 810 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_178887.1](#), [NM_178887.2](#), [NM_178887.3](#), [NP_849218.1](#)

RefSeq Size: 4764 bp

RefSeq ORF: 1380 bp

Locus ID: 98970

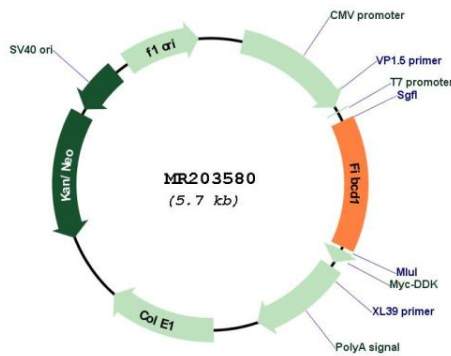
UniProt ID: [A2AV25](#)

Cytogenetics: 2 B

MW: 30.4 kDa

Gene Summary: Acetyl group-binding receptor which shows a high-affinity and calcium-dependent binding to acetylated structures such as chitin, some N-acetylated carbohydrates, and amino acids, but not to their non-acetylated counterparts. Can facilitate the endocytosis of acetylated components (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203580