

## Product datasheet for **MR210051**

### **Fchsd1 (NM\_175684) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fchsd1 (NM_175684) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fchsd1
Synonyms:	A030002D08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210051 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCAGCCGCGCCCGAAAAGTGAAGCCAGCCAGGAGGTTAACTTCGCTTTTGGAGCAGCTGAGCA  
TCCTTCAGACCCGCGCAGCAGAGGGAGGCGGATCTACTGGAGGACATCAGATCTTACAGCAAGCAAAGGGC  
AGCCATTGAACGGGAGTATGGCCAGGCCCTCCAGAAGCTGGCTGGGCCATTCTGAAGAGAGAAGGGCAG  
CGGAGTGGAGAGGCAGACAGCAGGACAGTGTGGTGCCTGGCGCTGCCTTCTGGATGCCACTGTGGCTG  
GAGGCCAAACCAGACTCCAGGCTCTGACCGATATCGCGACCTAGCAGGGGGTACTGGGAGAAGCGCCAA  
GGAGCAGGTGCTTAGAAAGGGGACAGAGAGCCTCCAGCAGGCACAGGCTGAGGTGTTACAGTCTGTCCGG  
GAGCTGAGCCGAAGTCGGAAGCTCTATGGGCAGCGACAGCGTGTATGGGCCTTGGCCAGGAGAAGCGAG  
CTGATGTCCAGGCCAGGCTGAACCGAAGTGACCATGGGATCTTCCATTCTCGGACCAGCCTCCAGAACT  
GAGCACCAGCTGTCTGCCAGTCAGCCAGTATCCAGCAGCTGAGAGCAGCCGCAATGAGTACCTG  
CTAAATTTGGTGGCCACCAATGCTCACCTTGCCCACTACTACCAAGAGGAATTGCCAGCACTGCTCAAGG  
TCCTGGTAAGTGAGCTGTGAGAATACTTGAAGGACCCCTGACTTACTGGGACACACAGAGCTGGAAAGC  
TGCGGAGATGATCCTGGAGCATGCCCGCATGGGGGAAGGCAACGTCTCAGGTAAGTGGGAACAAGAT  
GTGAAGCTGTTTCTTTCAGGGGCTGGAGTCTTTTCTCCACCCACCTCAGCAGTTCAGCCGGCAGGGG  
CTGATCAGGTATGTGGCTGGAGTGGGGAGCAGGAGGCATGGCTGGAGAGAGTGGCTGGAGAAAGAGGT  
TCAGCGCTGGACAAGCAGGGCTGCCCGGACTACAAGATCCAGCATCACGGGCATCGGGTCTGCAGCGA  
CTGGAGCAGAGGGCTCAGCAGGCCCGGGGCGAGAAGCTCCAGGCGTGAACAGCGGCTACAGGAAGTGA  
GGGAGAACATCCGACGGGCACAGGTGAGCCAGGTGAAAGGGGCCCGCCGGCTGGCCTGTTACAGGAGGC  
TGGTCTCGATGTACAGCGCTGGCTGAAGCCAGCCATGACCCAAGCCAGGATGAGGTGGAACAGGAGCGG  
CGACTTAGTGAAGCTCGACTGTCCAGAGGACCTCTCTCCACGGCTGAGGATGCTGAGCTTTCTGACT  
TCGATGAATGTGAGGAAGCTGGGGAGCTTTTGAAGAGCCTGCCACCAGCCCTGGCTACCAGACCCCT  
CCCCTGCCCTGCACATGTAGTGTTCGGCTATCAGGCAGGACGTGAGGATGAGCTGACCATCACAGAGGGT  
GAGTGGCTGGAGGTCATAGAGGAAGGAGATGCTGACGAGTGGGTTAAGGCTCGGAACCAGCACGGTGAAG  
CGGGCTTTGTCCCTGAGCGATATCTCAACTTCCCGGATCTCTCCCTGCCTGAGAGCTGCCATGGCATCGA  
CAATCCCTCAGGAGGAGAGCCCACAGCATTCTTGGCACGCGCTCTGTACAGCTACACGGGACAGAGTGAA  
GAGGAGCTAAGTTTCCCTGAAGGGGCACCTATCCGCTGTGCCAGGGCTCAAGATGGAGTGGATGATG  
GTTTCTGAGGGGAGAATTTGGGGGCCATGTTGGAGTCTTCCATCTCTCCTGGTAGAGGAACTGCTTGG  
TCCCCCGGGGCCACCTGAGCTCTCTGACCCTGAACAGATGCTGCCGTCCCTTCTCCTCCAGCTTCTCC  
CCTCTGCACCCACCTGTGCCTTGGACGGATCTACTGCGCCTGCTCTGCCTTCTGACAAAGTCTTGGACT  
GCCCTGGACCCCTAGACATGATGGTGCCTCGACTTAGGCCGATGCGTCCACCACCTCCCCACCAGCCAA  
AGCCCCGACCCCTGGTCATCCCGATCCTCTCACT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210051 protein sequence  
Red=Cloning site Green=Tags(s)

MQPPPRKVKPAQEVKLRFLLEQLSILQTRQQREADLLEDIRSYSKQRAAIEREYQALQKLAGPFLKREGQ  
 RSGEADSRTVFGAWRCLLDATVAGGQTRLQASDRYRDLAGGTGRSAKEQVLRKGTESLQQQAQEVLSVR  
 ELSRSRKLKYGQRQVWALAQEKAADVQARLNRSDHGIFHSRTSLQKLSLTKL SAQSAQYSQQLRAARNEYL  
 LNLVATNAHLAHYYQEELPALLKVLVSELSEYLRDPLTLGHTLEAAEMILEHARHGKATSQVNWEQD  
 VKLFLQGPVFSPTPPQQFQPAGADQVCGLEWGAGGMAGESGLEKEVQRWTSRAARDYKIQHHGHRVLR  
 LEQRRQAPGREAPGVEQRLQEVRENIRRAQVSQVKGAAARLALLQEAGLDVQRWLPAMTQAQDEVEQER  
 RLSEARLSQRDLSPATAEDAELESDFDECEEAGELFEPPAPPALATRPLPCPAHVVFYQAGREDELITTEG  
 EWLEVIEEGDADEWKARNQHGEAGFVPERYLNFPDLSLPESCHGIDNPSGGEPTAFLARALYSYTGQSE  
 EELSFPEGALIRLLPRAQDGVDDGFWRGEFGGHVGVFPSLLVEELLGPPGPELSDPEQMLPSPSPSPS  
 PPAPTALDVGSTAPALPSDKVLDCPGPLDMMVPRLRPMRPPPPPAKAPDPGHPDPLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175684

**ORF Size:** 2067 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\\_175684.3](#)

**RefSeq Size:** 4227 bp

**RefSeq ORF:** 2067 bp

**Locus ID:** 319262

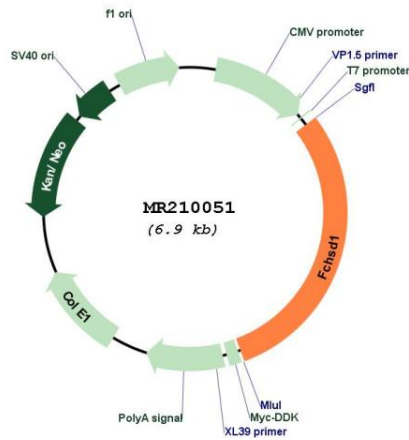
**UniProt ID:** [Q6PFY1](#)

**Cytogenetics:** 18 B3

**MW:** 76.3 kDa

**Gene Summary:** Promotes actin polymerization mediated by SNX9 and WASL.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210051