

Product datasheet for **MC221418**

Fchsd2 (NM_199012) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fchsd2 (NM_199012) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fchsd2
Synonyms:	BC034086; mKIAA0769; R74866; Sh3md3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221418 representing NM_199012
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCCGCGCCGAGGAAGGTGAAAGTTACACAAGAGCTGAGAAACATTCAAGGTGAGCAGATGACAA
 AACTTCAAGCCAACATCAGGCAGAATGTGACTTACTTGAAGACATGAGGACTTTCAGTCAGAAGAAGGC
 TGCTATTGAAAGAGAGTATGCACAGGGTATCCAGAAGTTGGCTAGTCAATACCTGAAGAGAGATTGGCCT
 GGAATAAAAACTGATGATCGGAATGATTACAGGAGTATGTATCCTGTTTGGAAATCTTTTCTCGAGGGAA
 CAATGCAGGTAGCCAGTCTCGGATCAATATATGTGAAAATAAAAACTTCATTTCTGAACCTGCAAG
 AGCAGTAAGAAGCTTAAAAGAACAGCACTAAAACGGTGTGTGGATCAGTTGACAAAGATCCAAACAGAA
 TTACAGGAAACTGTGAAAGATTTAGTGAAGGCCAAAAAGAAGTACTTTGAGACTGAACAGATGGCTCATG
 CAGTAAGAGAGAAAGCTGACATCGAAGCAAAGTCTAAACTTAGTCTTTTCAATCAAGAATCAGTTTACA
 GAAAGCAAGTGTGAAGTTAAAAGCCCGGGATCTGAATGTAATACCAAAGCTACCCATGCAAGGAATGAT
 TACCTTCTGACGCTAGCAGCAGCTAACGCACATCAGGACCCTACTATCAAACAGACTTAGTTAACATCA
 TGAAGGCTCTTGATGAAACGTGTATGACCACCTCAAGGATTATTTAATAGCCTTCAGCCGACCGAGCT
 AGAAAATTGCCAAGCTATACAGAATACATTCCAGTTTTTACTAGAAAACCTCCAGCAAGGTGGTACGGGAC
 TATAACCTTCAGCTGTTTCTACAAGAGAATGCTGTATTTACAAAGCCTCAGCCCTTCCAGTTCCAGCCTT
 GTGACAGTGATACTAGTTTAAAAGCCGCCAACCTGGTGGATATTGAGCTCTCCCTGTGAGTCTGTGAG
 AATGACGATAGCTGAGAGTCGACAATTAGAATCAGAACTGGTACCACAGAGGAACACAGTCTAAATAAG
 GAGGCTCGGAAATGGGCCACACGTGTGGCAGTGAACAAAAAATTGTTTCATCAGCAGCGGGTTCTAA
 ATGAATAAGAATGTCATGGAGTTGCTCTATCAGAACAGAGCCGAGCAGAGCTGGAACAGAAAATAGATGA
 AGCAAGAGAAAAGTATCCGTAAAGCAGAGATCATTAAATTGAAAGCTGAAGCCCGGCTAGACCTACTGAAG
 CAGATTGGGGTTTCTGTAGATACGTGGTTAAAGAGTGCCATGAACCAAGTATGAGGAAGTGAAGAAATG
 AGCGGTGGGCCCTCCTCCAGCCGTGACCAGCAATGGCACTCTACACTCGCTTAATGCAGATGCTGAAAG
 AGAAGAAGGAGAAGATTTGAAGACAACATGGATGTTTTTATGACAGCAGCTCCAGCCCTTCTGGCACC
 TTGAGAAATTATCCACTCACCTGCAAAGTTGTTTATTCTATAAGGCTTCTCAACCAGATGAGTTGACCA
 TTGAGGAACATGAGGTGTTAGAAGTATTGAAGATGGAGATATGGAAGACTGGGTAAGGCTCGAAATAA
 AGTTGGCCAAAGTGGTATTGTGCCAGAAAAGTACCTACAATTTCCACCTCGAACAGCCTACTGAGCATG
 CTACAGTCTTTGGCTGCTTTGGACAGTCGGTACACACATCCAGCAATCCACAGAAGCAGAACTCGTTT
 CAGGCAGCCTGAATGGAGATGCCAGTGTCTGTTTTGTGAAAGCACTTTATGATTATGAGGGCCAGACAGA
 TGATGAGCTGTCTTTCCGAGGGAGCAATTATTCGCATCTTGAACAAAGAAAACCAAGATGATGATGGC
 TTCTGGGAAGGGGAGTTCAGTGGTCAATCGGTGTTTTCCCATCGGTGCTAGTGGAAAGAGCTCTCAGCCT
 CCGAGAAATGGCGACACTCCATGGACAAGAGAGATCCAGATCTCTCCATCCCCAAGCCTCACACATCCCT
 GCCTCCACTGCCTCTGTATGACCAGCCACCCAGCAGCCGATCCAGTCCAGATAAGAGGAGCTCCCAG
 TTCTTCCCCGGTCTCCTTCAGCCAATGAAAACAGCCTTCATGCTGAATCACCAGGATTCTCACAGGCT
 CAAGACAGACTCCTGACACCTCATATGGCAAGCTGCGGCCTGTTGCGGCGGCCGCCACCACCCACACA
 GAACCACCGCGGACAACCTGAGAAGATGGAGGACGTGGAGATCACACTGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_199012
Insert Size: 2295 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).
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:	<ol style="list-style-type: none">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_199012.2 , NP_950177.2
RefSeq Size:	4432 bp
RefSeq ORF:	2295 bp
Locus ID:	207278
UniProt ID:	Q3USJ8
Cytogenetics:	7 E2
Gene Summary:	<p>Adapter protein that plays a role in endocytosis via clathrin-coated pits. Contributes to the internalization of cell surface receptors, such as integrin ITGB1 and transferrin receptor. Promotes endocytosis of EGFR in cancer cells, and thereby contributes to the down-regulation of EGFR signaling. Recruited to clathrin-coated pits during a mid-to-late stage of assembly, where it is required for normal progress from U-shaped intermediate stage pits to terminal, omega-shaped pits. Binds to membranes enriched in phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4,5-trisphosphate (By similarity). When bound to membranes, promotes actin polymerization via its interaction with WAS and/or WASL which leads to the activation of the Arp2/3 complex (PubMed:23437151). Does not promote actin polymerisation in the absence of membranes (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>