

Product datasheet for **RR205949**

Fchsd1 (NM_001107392) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fchsd1 (NM_001107392) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fchsd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205949 representing NM_001107392
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAGCGAGAGCGAGTGTGGCCTTGGCACAGGAGAAGGCAGCCGATGTCCAGGCCAGTGGGCTCC
 AAGATGTGCTGCGAGACTATGGGGTGGGATCAGTGTATCAAGGCTGTATCTGACTCTTGACTATTTTTT
 TTCCCTGCACAGGCTGAACCGAAATGACCATGGGATCTTCCACTCTCGGACCAGCCTCCAGAAAAGT
 ACCAAGCTGTCCGCCAGTCAAGCCAGTATTCCAGCAGCTGAGAGCAGCCCGCAACGAGTACCTGCTAA
 ATTTGGTGGCCACCAATGCTCACCTTGCCATTACTACCAAGAGGAATTGCCAGCACTGTCAAGGTCTT
 GGTAAGTGAAGTGTCCGAGTACTTGAGGGACCCCTGACTTTGTTGGGACACACCGAGCTGGAAGTGTGA
 GAGATGATCCTGGAGCATGCCGCCATGGGGGAAGGCAGCTTCTCAGGTAAGTGGGAACAGGATGTGA
 AGCTGTTTCTTCAGGGGCTGGAGTCTTTCTCCAACCTCACCTCAGCAGTTCAGCCAGCGGGAAGTGA
 TCAGGTGCATGCCCTGGAACGGGGAGCGGGAGGCATGGCTGAAGAGAGTGGCTTGGAGAGAGAGGTT
 CAGCGCTGGACAAGCAGGGCTGCCCGGACTACAAGATCCAGCATCATGGGCATCGGGTCTGCAGCGACTGG
 AGCTGAGGCGTCAAGCAGGCTCCAGAGCGAGAAGCTCCAGGCGTAGAACAGAGGATACAGGAAGTGAAGGA
 GAACATCCGACGGGCACAGGTGAGCCAAGTGAAGGGGGCCCGCGGTTGGCCCTGTACAGGAGGCTGGC
 CTCGATGTGCAGCGGTGGCTGAAGCCAGCCATGACCCAAGCCAGGATGAAGTGGAACAGGAGCGACGAC
 TTAGTGAAGTCTGACTTTCCAGAGGGACCTCTCTCCACAGCTGAGGATGTGAGCTTTCTGACTTCGA
 CGAATGTGAGGAGGCTGGGGAGCTCTTTGAGGAGCCTGCCACCAGCCCTGGCCACCAGAGCCCTTCCC
 TGCCCTGCCATGTAGTGTGGCTATCAGGCAGGACGTGAGGACGAGCTGACTATCACAGAGGGTGAAGT
 GGCTGGAGGTCATAGAGGAAGGAGATGCTGATGAATGGGTTAAGGCTCGGAACAGCATGGTGAAGCAGG
 CTTTGTCTGAAACGATATCTCAACTTCCCGGATCTCTCCCTTCTGAGAGCAGCCATGGCAGCGACAAT
 CCCTCAGGAGCAGAGCCACAGCATTCTTGGCACGTGCTCTGTACAGCTACATAGACAGAGTGAAGAGG
 AGTTAAGTTTTCTGAAGGGGCACTCATCCGCTGTTGCCAGGGCTCAAGATGGAGTGGACGATGGCTT
 CTGGAGGGGAGAAATTTGGGGGCGATGTTGGAGTCTTCCATCTCTCTGTTAGAGGAACTGCTTGGTCCC
 CCGGGGCCACCTGAACTCTTGACCCTGAACAGATGCTGCCATCCCCTTCTCTCCAGCTTCTCCCCTC
 CTGACCCACCTGTGCCTTGGACAGATCCCCTGCACCTGCTCTGCCTTCTGACAAAGTCATAGACTGCC
 TGGACCCCTAGACATGATGGTGCCTCGACTCAGGCCGATGCGTCCACCACCTCCCCACCAGCCAAAGCC
 CCGGATCTGGTCATCCCGATCCTCACT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205949 representing NM_001107392
 Red=Cloning site Green=Tags(s)

MGSESECGPWRRRQPMSRPGGLQDVLRLGLWGGISVSRLYLTLDYFFSLHRLNRNDHGFHRSRTSLQKLS
 TKLSAQSAQYSQQLRAARNEYLLNLVATNAHLAHYYQEELPALLKVLVSELSEYLRDPLTLLGHTELEAA
 EMILEHARHGGAASQVNWEQDVKLFQGPVFSPTPPQQFQAPAGTDQVHALERGAGGMAEESGLEREVQ
 RWTSSRAARDYKIQHHGRVLRLELRRQAPEREAPGVEQRIQEVRENIRRAQVSQVKGAAARLALLQEAG
 LDVQRWLKPAMTQAQDEVEQERRLSEARLSQRDLSPTAEDAELSDFDECEEAGELFEPPAPPALATRALP
 CPAHVVFQYQAGREDELITIEGEWLEVIEEGDADEWVKARNQHGEAGFVPERYLNFPDLSLPESHGSDN
 PSGAEP AFLARALYSYIGQSEELSFPEGALIRLLPRAQDGVDDGFWRGEFGGHVGVFPSSLVEELLGP
 PGPEELSDPEQMLPSPSPSPSPAPPAPTALDRSPALPSDKVIDCPGLDMMVPRLRPMRPPPPPPAKA
 PDPGHPDPLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1710 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:	<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_001107392.1 , NP_001100862.2
RefSeq Size:	4442 bp
RefSeq ORF:	1713 bp
Locus ID:	307482
Cytogenetics:	18p11
MW:	63.3 kDa