

Product datasheet for **RR206434**

Mfsd5 (NM_001126282) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfsd5 (NM_001126282) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mfsd5
Synonyms:	RGD1305138
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206434 representing NM_001126282
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGTGA**CTGCCTATTTGTCTTTTGTGGCCCTCTGGCCCTCTGCCTGGCCTGGAGCTGTCAAGT**
GCAGAGCCAGGCCCCCTGGAAGAGCTTGCAGCAACCCCTCCTTCCTTCAGTTTCAACTAGATTTCTATCA
AGTCTACTTTCTGGCCCTGGCAGCGACTGGCTCCAAGCCCCCTACCTGTATAAACTCTATCAGCATTAC
CACTTCCTGGAGGGTCAGATTGCTATCCTCTACGTCTGTGGCCTGGCTTCCACGGTCTCTTTGGCCTAG****
TGGCCTCATCCCTTGTGGACTGGCTGGTCTGAAGAAGTCTGTGTCTTTTCTCCCTCACTTACTCTCT
ATGTTGCATAACCAAGCTCTCTCAAGACTACTTTGTGCTGCTGGTGGCCGAGCCCTTGGTGGGCTGTCG
ACCGCTCTCTCTCTCAGCCTTCGAGGCCTGGTACATCCATGAGCACGTGAAAGACATGACTTCCCTG
CCGAGTGGATCCAGCCACCTTCGCCCGAGCCGCTTCTGGAACCATGTGCTGGCTGTGGCAGCAGGTGT
GGCAGCCGAGGCTGTGGCTAGTTGGATGGGTCTGGGGCTGTAGCACCTATGTGGCTGCCATCCCTCTT
CTGGCTCTGGCTGGGCCCTTGGCCCTTCGAAACTGGGGAGAGAATTATGACCGTCAGCGTGCCTTCTCCA
AGACCTGTGCCGAGGCCTGCGCTGCCTCTGTCCGACCGCCGGGTGTTGCTGCTGGGTGTCATAAAGC
CCTGTTTGAGAGTGTATCTTATCTTTGTCTTCTCTGGACACCTGTGCTGGACCCACAGGGGCCCG
CTGGGCATTGTGTTCTCCAGCTTCAGGCTGCCAGCCTTCTGGGTTCTTCTTGTACCGCATCGCTACCT****
CCAAGAGTACCACCTTCAACCCATGCACCTACTTCCCTCGCTGCTCCTATTGTTGATTCTCTCTCTT
CATGTTGACTTTCTCTACAGCCAGGCCAAGAAAACCCGTGGAATCCTTTATCGCTTTTTACTTATC****
GAGTTGGCCTGCGGGCTACTTTCCAGCATGAGCTTCTCGGAGGAAAGTATCCCCGAGACGGAGC
AGGCCGGTGTCTCAATTGGTCCGAGTGCCTGCATTTACTGGCCTGTCTGGGCTCCTGGTCTCTCA
TGACAGCGATCGGAAGACGGGCACCGAATATGTTCAGCATCTGCTCGGCCGTCATGGTACGACTCTG****
CTGGCCGTGGCAGGACTTTCACAGTCGTGAGACACGACGCTGAGTTGGGGTGCCTCGCCACCGGGG
AGCCCTATGCCCTGAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206434 representing NM_001126282
 Red=Cloning site Green=Tags(s)

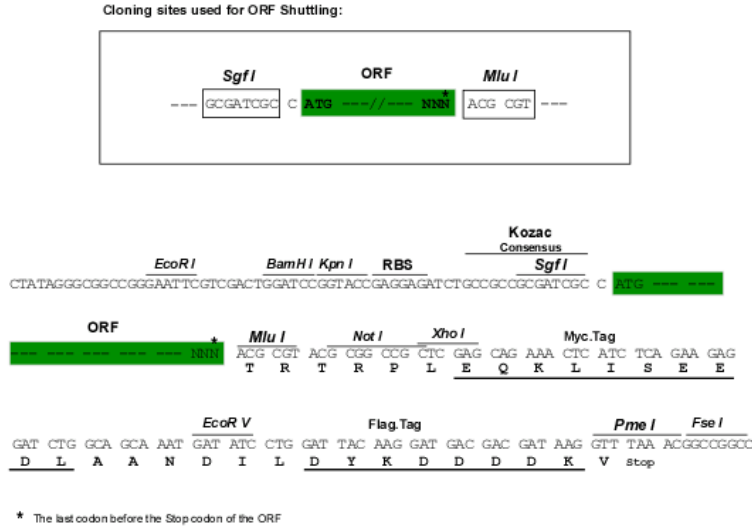
MLVTAYLSFVGLLASCLGLELSRCRARPPGRACSNPSFLQFLDFYQVYFLALAADWLQAPYLKLYQH
 HFLEGQIAILYVCGLASTVLFGLVASSLVDWLGRKKSCVLSLTYSLCCITKLSQDYFVLLVGRALGGLS
 TALLFSAFEAWYIHEHVERHDFPAEWIPATFARAAFWNHVLAVAAGVAEAVASWMLGPVAPYVAIPL
 LALAGALALRNWGENYDRQRAFSKTCAGGLRCLLSDRRVLLLVGIQALFESVIFIFVFLWTPVLDPHGAP
 LGIVFSSFMAASLLGSSLYRIATSKRYHLQPMHLLSLAVLIVVFSLFMLTFSTSPGQENPVESFIAFLLI
 ELACGLYFSPMSFLRRKVIPETEQAQVNLNWRVPLHLLACLGLLVLHSDRKTGTRNMFICSAMVMTTL
 LAVAGLFTVVRHDAELRVPSPTGEPYAPEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

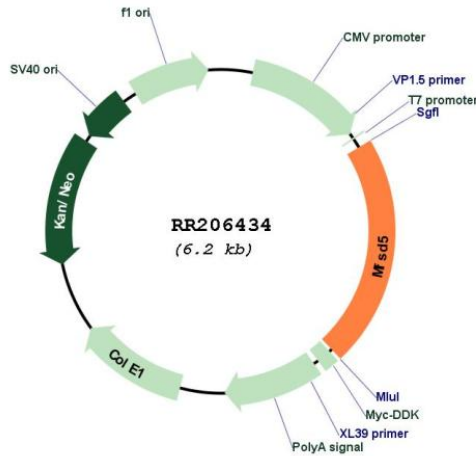
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001126282

ORF Size: 1350 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_001126282.1](#), [NP_001119754.1](#)

RefSeq Size: 1761 bp

RefSeq ORF: 1353 bp

Locus ID: 315329

Cytogenetics: 7q36

MW: 49.7 kDa