

Product datasheet for **MR207191**

Mfsd5 (NM_134100) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfsd5 (NM_134100) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mfsd5
Synonyms:	AA409375; AW556797; D15Mgi27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207191 representing NM_134100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGTGA**CTGCCTATTTGTCTTTGTGGCCCTCTGGCCCTCTGCCTGGGTCTGGAGCTGTCAAGT**
GCAGAGCCAGGCCCTGGAAGAGCTTGCAGCAACCCCTCCTTCCTTCAGTTTCAACTAGACTTCTATCA
AGTCTACTTTCTGGCCCTGGCAGCGACTGGCTCCAAGCTCCCTACCTGTATAAACTCTATCAGCATTAC
CACTTCCTGGAGGGTCAGATTGCTATCCTCTACGTCTGTGGCCTTGCCTCCACGGTCTCTTTGGCCTAG****
TGGCCTCTCCCTTGTGGACTGGCTGGTCTGAAGAAGTCTTGTGTCTCTTCTCCCTCACTTACTCTCT
ATGTTGCATAACCAAGCTCTCTCAGGACTACTTCGTGCTGCTGGTGGGCCGAGCACTCGGTGGGCTGTCC
ACAGCTCTCTCTCTCAGCCTTTGAGGCCTGGTACATCCACGAGCACGTGGAGAGGCATGACTTCCCCG
CCGAGTGGATCCAGCCACCTTTGCCGAGCCGCTTCTGGAACACGTGCTGGCTGTGGCGGCTGGTGT
GGCAGCGGAGCCGTGGCTAGTTGGATAGGGCTGGGGCCGGTGCACCCCTTTGTGGCTGCCATCCCTCTT
CTGGCTCTGACTGGGCCTTGGCTCTACGAAACTGGGGAGAGAATTATGACCGTCAAGCGTGCCTTCTCCA
AGACCTGTGCTGGAGGCCTGCGCTGCTGCTGACCGCCGGGTGTTGCTGTTGGGTGTCATAAAGC
GCTGTTTGAGAGTGTATCTTTATCTTTGTCTTCTCTGGACACCTGTGCTAGACCCACACGGAGCCCCA
CTGGGCATTGTGTTCTCCAGCTTCAGGCTGCCAGCCTTCTGGGTTCTTCCGCTGTACCGCATCGCTACCT****
CCAAGAGTACCACCTTCAGCCATGCACCTGCTTCCCTTGTGCTCCTCATTGTCGTCTTCTCTCTCTT****
CATGTTGACTTTCTCCACAGCCAGGCCAAGAAAATCCTGTGGAGTCTTCATTGCCTTTTACTTATT****
GAGTTGGCCTGCGGGCTACTTTCCAGTATGAGCTTCTCGAAGGAAAGTATCCCCGAGACAGAGC
AGGCCGGGTTCTCAATTGGTCCGAGTGCCTGCATTTGCTGGCCTGTCTAGGGCTCCTTGTCTCCA
CGACAGCGATCGAAAACAGGCACCGAATATGTTTAGCATCTGCTCTGCCGTCATGGT**GACGACTCTG**
CTGGCAGTGGCAGGACTTCACCGTGGT**GAGACACGACGCTGAGTTGGGGTGCCTCACCCACCGGGG**
AGCCCTACGCCCTGAACTT****

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207191 representing NM_134100
 Red=Cloning site Green=Tags(s)

MLVTAYLSFVGLLASCLGLELSRCRARPPGRACSNPSFLQFLDFYQVYFLALAADWLQAPYLKLYQHY
 HFLEQIAILYVCGLASTVLFGLVASSLVDWLGRKKSCVLFSLTYSLCCITKLSQDYFVLLVGRALGGLS
 TALLFSAFEAWYIHEHVERHDFPAEWIPATFARAFAFNHVLAVAAGVAAEAVASWIGLGPVAPFVAIPL
 LALTGALALRNWGENYDRQRAFSKTCAGGLRCLLSDRRVLLLVGIQALFESVIFIFVFLWTPVLDPHGAP
 LGIVFSSFMAASLLGSSLYRIATSKRYHLQPMHLLSLAVLIVVFLFMLTFSTSPQENPVESFIAFLLI
 ELACGLYFSPMSFLRRKVIPETEQAQVNLNFRVPLHLLACLGLLVLHSDRKTGTRNMFICSAYMVTTL
 LAVAGLFTVVRHDAELRVPSPTEPYAPEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_e09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_134100

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_134100.4](#), [NP_598861.1](#)

RefSeq Size: 1742 bp

RefSeq ORF: 1353 bp

Locus ID: 106073

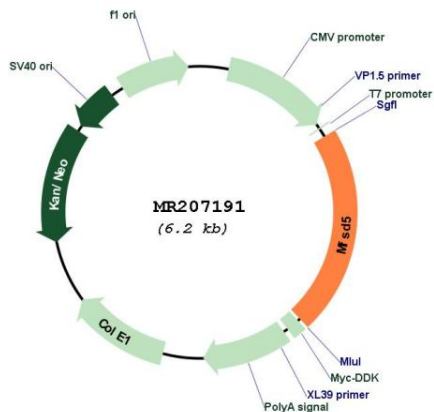
UniProt ID: [Q921Y4](#)

Cytogenetics: 15 F3

MW: 50.1 kDa

Gene Summary: Mediates high-affinity intracellular uptake of the rare oligo-element molybdenum. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207191