

Product datasheet for **MG207191**

Mfsd5 (NM_134100) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfsd5 (NM_134100) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mfsd5
Synonyms:	AA409375; AW556797; D15Mgi27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207191 representing NM_134100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGTACTGCCTATTTGTCTTTTGTGGCCCTCTGGCCTCCTGCCTGGGTCTGGAGCTGTCAAGAT
 GCAGAGCCAGGCCCTTGAAGAGCTTGCAGCAACCCCTCCTTCCTCAGTTTCAACTAGACTTCTATCA
 AGTCTACTTTCTGGCCCTGGCAGCGACTGGCTCCAAGCTCCCTACCTGTATAAACTCTATCAGCATTAC
 CACTTCTGGAGGGTCAATTGCTATCCTCTACGTCTGTGGCCTTGCCTCCACGGTCTCTTTGGCCTAG
 TGGCCTCCTCCCTTGTGGACTGGCTGGTCTGAAGAAGTCTTGTGTCTCTTCTCCCTCACTTACTCTCT
 ATGTTGCATAACCAAGCTCTCTCAGGACTACTTCGTGCTGCTGGTGGGCCGAGCACTCGGTGGGCTGTCC
 ACAGCTCTCCTTCTCAGCCTTGGAGCCTGGTACATCCACGAGCACGTGGAGAGGCATGACTTCCCCG
 CCGAGTGGATCCAGCCACCTTTGCCGAGCCGCTTCTGGAACCACGTGCTGGCTGTGGCGGCTGGTGT
 GGCAGCGAGGCCGTGGCTAGTTGGATAGGGCTGGGGCCGGTGCACCCCTTGTGGCTGCCATCCCTCTT
 CTGGCTCTGACTGGGCCCTTGGCTCTACGAAACTGGGGAGAGAATTATGACCGTCAAGCTGCCTTCTCCA
 AGACCTGTGCTGGAGGCCTGCGCTGCTGCTGACCGCCGGGTGTTGCTGTTGGGTGTCATAAAGC
 GCTGTTTGAAGTGTATCTTTATCTTTGTCTTCTCTGGACACCTGTGCTAGACCCACACGGAGCCCCA
 CTGGGCATTGTGTTCTCCAGCTTCAAGGCTGCCAGCCTTCTGGGTCTTCCGCTGTACCGCATCGCTACCT
 CCAAGAGTACCACCTTCCAGCCATGCACCTGCTTCCCTTGTGCTCCTCATTGTGCTTCTCTCTCTT
 CATGTTGACTTTTCCACAGCCAGGCCAAGAAAATCCTGTGGAGTCTTCAATGCTTTTACTTATT
 GAGTTGGCCTGCGGGCTCTACTTCCAGTATGAGCTTCTGCGAAGGAAAGTATCCCCGAGACAGAC
 AGGCCGGGTTCTCAATTGGTCCGAGTGGCCCTGCATTTGCTGGCCTGTCTAGGGCTCCTTGTCTCCA
 CGACAGCGATCGGAAAACAGGCACCGAATATGTTTAGCATCTGCTCTGCCGTCATGGTACGACTCTG
 CTGGCAGTGGCAGGACTTTCACCGTGGTGGAGACGACGCTGAGTTGGGGTGCCTCACCCACCGGGG
 AGCCCTACGCCCTGAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207191 representing NM_134100
 Red=Cloning site Green=Tags(s)

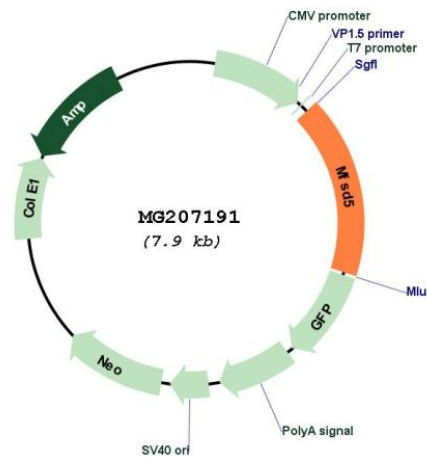
MLVTAYLSFVGLLASCLGLELSRCRARPPGRACSNPSFLQFLDFYQVYFLAALADWLQAPYLKLYQH
 HFLEQIAILYVGLASTVLFGLVASSLVDWLGRKKSCVLSLTYSLCCITKLSQDYFVLLVGRALGGLS
 TALLFSAFEAWYIHEHVERHDFPAEWIPATFARAFAWNHVLAVAAGVAAEAVASWIGLGPVAPFVAAIPL
 LALTGALALRNWGENYDRQRAFSTKAGGLRCLLSDRRVLLLGIQALFESVIFIFVFLWTPVLDPHGAP
 LGIVFSSFMAASLLGSSLYRIATSKRYHLQPMHLLSLAVLIVVFSLFMLTFSTSPGQENPVESFIAFLLI
 ELACGLYFPSMSFLRRKVIPETEQAQVNLNFRVPLHLLACLGLLVLHSDRKTGTRNMFICSAMVMTLL
 LAVAGLFTVVRHDAELRVPSPTGEPYAPEL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


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:	<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:	<u>NM_134100.4</u> , <u>NP_598861.1</u>
RefSeq Size:	1742 bp
RefSeq ORF:	1353 bp
Locus ID:	106073
UniProt ID:	<u>Q921Y4</u>
Cytogenetics:	15 F3
Gene Summary:	Mediates high-affinity intracellular uptake of the rare oligo-element molybdenum. [UniProtKB/Swiss-Prot Function]