

Product datasheet for **RG219252**

MFSD6 (NM_017694) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFSD6 (NM_017694) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MFSD6
Synonyms:	hMMR2; MMR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG219252 representing NM_017694
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCAGATGATAAAGTTGCTATCTTAACGGATGATGAAGAGGAACAGAAGAGAAAGTATGTGCTTGCAG
 ATCCCTTTAATGGTATTTCCAGGGAACCAAGAACCTTCGAATGAAACACCTTCCTCCACAGAAACATC
 TGCTATTCCTGAGGAGGAATAGACTGGATAGAGAAACATTGTGTTAAGATAAAACACGATCTTCTAATT
 TCCAAGGTCTTTATTTTTCTTTACTCTGCCTATGGCTCTCTCTATCCCTTTTGCCTGTGTATTACA
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 GCCCAACAACACCCCAACATGCAAGTACCAGTTAACTATCCTGCCAACAAATCTTCTTTACCTC
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 AGGGGACCAATGAGAATAGGGAAAATTCCTGCTGGTAGAGCCAGCCTGTCCCATGTGAGACTCACTC
 TGACCCATCTAGAAACCAGCCATCCCCTGACGCAGCAGCATCTCAGACGCAGACCAGCCCGCTCACCCC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

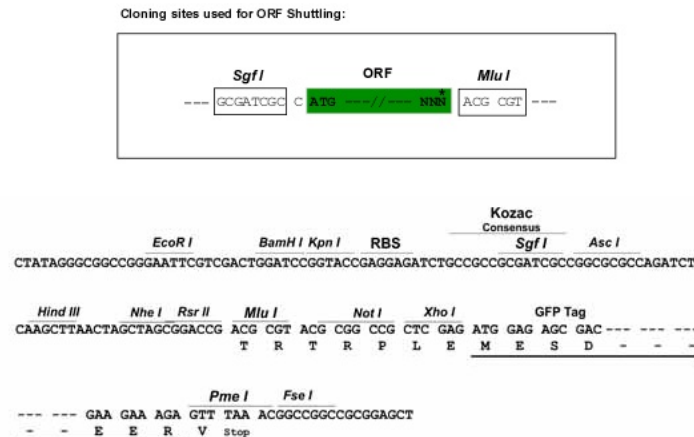
Protein Sequence: >RG219252 representing NM_017694
Red=Cloning site Green=Tags(s)

MADDKVAILTDDEEEQKRKYVLADPFNGISREPEPPSNETPSSTETSAIPEEEIDWIEKHCVKINNDLLI
SKVFYFFFYSAYGSLYPLLPVYKQLGMSPSQSGLLVGIRYFIEFCSAPFWGVVADRFKKGKIVLLFSL
CWLFLNLGIGFVKPATLRCVPKIRPTTHPTNASHQLTILPTNSSFTSFLTISPKMREKRNLLETGLNVSD
TVTLPTAPNMNSEPTLQPQTGEITNRMDLTLNSSTATPVSPGSVTKETTTVIVTTTKSLPSDQVMLVYD
QQEVEAIFLVILVVIIEGFFSASSVTIVDTVTQLQYLKGRDRYGLQRMWGSGLWGLAMLSVGIGIDYTH
IEVLIDGKGCKPPEYRNYQIVFIVFGVMTMALIVATQFRFRYNHFKNDSSKGKEVEIPQVERNSTESS
EETPTTSSHSQAFNFWDLIKLLCSVQYGSVLFVAWFMGFGYGFVFTFLYWHLEDLNGTTTLFGVCSVL
VSELTAYFFSHKLIELIGHIRVLYIGLACNTARYIYISYLENAWTVLPMEVLQGVTHAAIWAACISYLSA
AVPPELRTSAQGILQGLHLGLGRGCGAMIGVLVNYFGAAATFRGIGMACLVILLFALIQLWAVPDEEE
DKTMLAERIPVPSSPVIATIDLVQQQTEDVMPRIEPRLPKTKHQEEQEDVNKPAWGVS SSPWVTFVY
ALYQIKEMMQLTRDNRASEIQPLQGTNENRENSPAGRAQVPVPCETHSDPSRNQPSPDAAAQTQTSPAHP
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017694

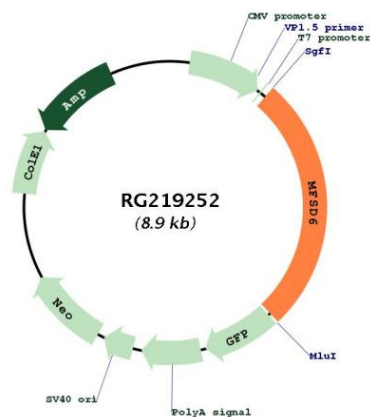
ORF Size: 2373 bp

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:	<u>NM_017694.2, NP_060164.2</u>
RefSeq Size:	4320 bp
RefSeq ORF:	2376 bp
Locus ID:	54842
UniProt ID:	<u>Q6ZSS7</u>
Cytogenetics:	2q32.2
Protein Families:	Transmembrane

Product images:



Circular map for RG219252