

Product datasheet for **RG200687**

MFSD10 (NM_001120) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MFSD10
Synonyms:	TETTRAN; TETTRAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG200687 representing NM_001120
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGATGGGAGGGGTGGAGGCTGCACCCCGCGCCACCCATCCACCAGCAGCCCGGAGCGCCGCG
 TGGTACACGTTGTCTTTCTCGGCCTCCTGCTGGACCTCCTGGCCTTCACGCTGCTGCTGCCCTGCTGCC
 CGGGCTGTTGGAGAGCCACGGCCGTGCCACGACCCCTCTATGGCTCCTGGCAGGGCGGGTGGACTGG
 TTTGCCACCGCCATCGGGATGCCAGTGGAGAAGAGGTACAACAGTGTCTGTTCTGGAGGTCTCATTGGCT
 CGGCATTCTCTGCTGCACTTTCTGTGTGCGCCACTCACTGGGGCCACCTCTGACTGCTTGGGGAGGCG
 CCCGGTGATGCTGCTGTGCTGATGGGTGTGGCCACCTCATATGCAGTCTGGGCCACCTCTCGGAGCTTT
 GCGGCCTTCTGGCCTCCAGGCTGATTGGGGCATCAGCAAAGGGAACGTCAGCCTCTCCACGGCCATCG
 TTGCTGACCTGGGCTCGCCTCTGGCCCGCAGTCAAGGCATGGCGGTCTATTGGGTGGCCTTCTCACTGG
 CTTACCCCTGGGCCCTATGCTCGGAGCCTCCCTGCCCTGGAATGGCACCTGGTTTGCCTGCTCTTC
 GCAGCCTCCGACCTGCTGTTTCTCTGCTTCTGCTGAGAGCCTGCCCTGGAGAAACGGGCGCCCT
 CTATCGCCCTGGGGTTCGCTGATGCGGCTGATCTGCTCAGCCCTTGGCCCTGCTGCGCTTCTCGGCTGT
 CGCTCGTGGCCAGGACCCCTCTGGAGACAGGCTCAGCAGCTGCGCCGCTGGGCTAGTCTACTTC
 CTCTACCTCTTCTGTTCTCGGGCTGGAGTACGCTGAGCTTCTCACACACCAGCGCTTCCAGTTCA
 GTAGCCTACAGCAGGGGAAGATGTTTTCTCATCGGCCTCACCATGGCCACCATCCAGGTGCCTATGC
 CCGGCGGATCCACCCTGGCGGGGAAGTTGCTGCCGTGAAGCGGGCCCTCTGCTGCTGGTGGCCGCTTC
 CTCTCATCGGCTGGGACGTTCTCTGCCGTGCTGGGCTGGGGCTGCTGCTCTACTCTTTGCCGCG
 CCGTTGTGGTCCCTGCTGCTCCGTGGTGGCTATGGCTCACCAGGGCAGAAGGGCACGGTCAT
 GGGTACACTGCGCAGCCTAGGTGCTTGGCCAGGGCCGCGGGCCCTGGTGGCCGCTTCACTGTACTGG
 CTGGCCGGGGCCAGGCTGCTTACCACGTGGTCCGGGCTCTTTTGTCCCCTTCTCTCTCTGCAGA
 AGCTGAGTTACCGGCACAGACGCTCAAGGCTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200687 representing NM_001120
 Red=Cloning site Green=Tags(s)

MGWGGGGGCTPRPPIHQPPERRVTVVFLGLLDLLAFTLLLPLLPGLLESHGRAHDPLYGSWQGGVDW
 FATAIGMPVEKRYNSVLFGLIGSAFVLQFLCAPLTGATSDCLGRRPVMLLCLMGVATSYAVWATSRSF
 AAFLASRLIGGISKGNVSLSTAIVADLGSPLARSQGMVIGVAFSLGFTLGPMLGASLPLEMAPWFALLF
 AASDLLFIFCFLPETLPLEKRAPSIALGFRDAADLLSPLALLRFSAVARGQDPPSGDRLSSLRRLGLVYF
 LYLFLFSGLEYTSLFTHQRFQFSSLQQGMFFLI GLTMTIQGAYARRIHPGGEVAAVKRALLLVPF
 LLIGWGRSLPVLGLGLLLYSFAAAVVVPCLSVVAGYSGPGQKGTVMGTLRSLGALARAAGPLVAASVYW
 LAGAQAACFTTWSGLFLLPFFLLQKLSYPAQTLKAE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001120

ORF Size: 1365 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

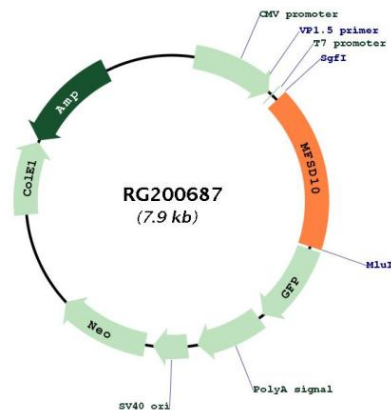
RefSeq: [NM_001120.4](#)

RefSeq Size: 1758 bp
 RefSeq ORF: 1368 bp
 Locus ID: 10227
 UniProt ID: [Q14728](#)
 Cytogenetics: 4p16.3

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the major facilitator superfamily of transporter proteins. The encoded protein likely functions in efflux of organic anions, including the non-steroidal anti-inflammatory drugs indomethacin and diclofenac. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RG200687