

Product datasheet for **SC319350**

MFSD10 (NM_001120) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFSD10 (NM_001120) Human Untagged Clone
Tag:	Tag Free
Symbol:	MFSD10
Synonyms:	TETRAN; TETTRAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001120.2
 GCGCGCAGCCGCGGCAGGCCAGGTCAGAGCAGCCACCATGGGATGGGAGGGGGTGGAG
 GCTGCACCCCGCGCCACCCATCCACCAGCAGCCGCGGAGCGCCGCTGGTCACCGTTG
 TCTTTCTCGGCCCTCTGCTGGACCTCTGGCCTTACGCTGCTGCTGCCCTGCTGCCCC
 GGCTGTTGGAGAGCCACGGCCGTGCCACGACCCCTCTATGGCTCCTGGCAGGGCGGGG
 TGGACTGGTTTGCCACCGCCATCGGGATGCCAGTGGAGAAGAGGTACAACAGTGTCTGT
 TCGGAGGTCTCATTGGCTCGGCATTCTCTGTCTGCAGTTTCTGTGTGCCCACTCACTG
 GGGCCACCTCTGACTGCTTGGGAGGGCGCCGGTGATGCTGCTGTGCCTGATGGGTGTGG
 CCACCTCATATGCACTCTGGGCCACCTCTCGGAGCTTTGCGGCCCTTCTGGCCTCCAGGC
 TGATTGGGGGCATCAGCAAAGGGAACGTGAGCCTCTCCACGGCCATCGTTGCTGACCTGG
 GCTCGCCTCTGGCCCGCAGTCAAGGCATGGCGGTGATTGGGGTGGCCTTCTCACTGGGCT
 TCACCCTGGGCCCTATGCTCGGAGCCTCCCTGCCCTGGAAATGGCACCTGGTTTGCCC
 TGCTCTTCGACGCTCCGACCTGCTGTTTCTCTGCTTCTGCCAGAGACGCTGCCCC
 TGGAGAAACGGGCGCCCTCTATCGCCCTGGGGTCCGTGATGCGGCTGATCTGCTCAGCC
 CCCTGGCCCTGCTGCGCTTCTCGGCTGTCGCTCGTGGCCAGGACCCACCTCTGGAGACA
 GGCTCAGCAGCCTGCGCCGCTGGGCCTAGTCTACTTCTCTACCTCTTCTGTTCTCGG
 GCCTGGAGTACACGCTGAGCTTCTCACACACCAGCGCTTCCAGTTCACTAGCCTACAGC
 AGGGGAAGATGTTTTTCTCATCGGCCTCACCATGGCCACCATCCAGGGTGCCTATGCCC
 GGCGGATCCACCTGGCGGGGAAGTTGCTGCCGTGAAGCGGGCCCTCCTGCTGCTGGTGC
 CCGCCTTCTCTCATCGGCTGGGGACGTTCTCTGCCCGTGTGGGCCTGGGGCTGCTGC
 TCTACTCTTTGCCGCCCGCTTGTGGTGCCCTGCCTGTCTCCGTGGTGCCTGGCTATG
 GCTCACCAGGGCAGAAGGGCACGGTCATGGGTACACTGCGCAGCCTAGGTGCTCTGGCCA
 GGCCCGCGGGGCCCTGGTGGCCGCTTCACTGTACTGGCTGGCCGGGGCCAGGCTGCT
 TCACCACGTGGTCCGGGCTCTTTTGTCTCCCTTCTTCTCTGCAGAAGCTGAGTTACC
 CGGCACAGACGCTCAAGGCTGAGTAGCTGAGCCACTGTGCCAGGCTGTGGGCACCAAGGC
 AGAGTGGGAGCCTAGGTGAGGCCCTGCCACTGCCTGACCCCCACCCCGCCAGTCCA
 GGGAGACCCTGTGGTGGGGGCCGCCCTAAGCAGGAAGCTCAGGCAGCTCCTCCAGAC
 TTACTTACTCTTCACTGACTCCGAGCTGCAGCACTCCAAGGCTGTCAGGGCTTCTGTTT
 GTTTTTTAACTATGCACAGGTTTCTGATGATGAAATAAAGCACCTGTTTGTGTTTTAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001120

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001120.2, NP_001111.2</u>
RefSeq Size:	1758 bp
RefSeq ORF:	1368 bp
Locus ID:	10227
UniProt ID:	<u>Q14728</u>
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] Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.