

## Product datasheet for **SC120456**

### MFSD3 (NM\_138431) Human Untagged Clone

#### Product data:

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                               |
| Product Name:             | MFSD3 (NM_138431) Human Untagged Clone                                                            |
| Tag:                      | Tag Free                                                                                          |
| Symbol:                   | MFSD3                                                                                             |
| Mammalian Cell Selection: | None                                                                                              |
| Vector:                   | <u>pCMV6-XL4</u>                                                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                            |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_138431, the custom clone sequence may differ by one or more nucleotides |

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ATGCGCGGGAAGTTGCTGCCGCTGGCCGGCCTCTACCTGGTGCAGGGCCTGCCCTACGGGCTCCAGTCCG
GCCTCCTGCCAGTGCTGCTGCGTGCCGGCGGCCTCTCGCTGACGCGCGTGGGGCTGGCCAAGGTTCTGTA
CGCTCCGTGGTGCTCAAGCTGGCTTGGGCCCCGCTGGTGGACGCGCAGGGCTCGGCGAGGGCTGGGTG
ACGCGCAGCACGGCGGGCCTGGGCTGGTGTGGGCTGCTTGCCGGGCTGCCCCCTCTGGAGCTGGCC
AGGCCGGGCTGCCCGCCGCTGTGGCGGGTTGCTGCTGTTGTTGAACCTGGGTGCCGCCATGCAGGATGT
GGCCCTGGACGCGCTGGCTGTGCAGCTGCTGGAGCCGGCCGAACCTGGGGCCGGGCAATACCGTGCAGGTG
GTCGCGTACAAGCTGGGGCCGCGCTAGCTGGGGCGCGCTGCTGGCGCTGCTGCCACCTTCTCGTGCC
CGCAACTCTTTCTGCTCCTGGCTGCCACCTACTGGCTGGCCGCGGCCCTGGCCTGGGCTGCACACGCCCT
GCGGCGGCTCCACAGCAGCCCCCTCCGAGCAGCGTCCCCACACCGCGCACCTTCTGCGGGACGTGCTA
GCCGTGCCGGGGACCGTGTGGACGGCAGGCTTTGTGCTCACCTACAAGCTGGGTGAGCAGGGTGCCAGCA
GCCTGTTTCCTCTTCTCCTGCTGGACCAGCGCTTTCTGCTCCGAGTTGGGACTGTGGAATGGTGTGGG
TGCTGTGGTCTGCTCCATCGCTGGCTCCTCCCTGGGTGGGACCTTGCTGGCCAAGCACTGAAACTGCTG
CCTCTGTTGAGGTCGGTGTGCGCTTCCGCTCGGGGGCCTAGCCTGTCAGACTGCCTTGGTCTTCCACC
TGGACACCCTGGGGGCCAGCATGGACGCTGGCACAATCTTGAGAGGGTCAGCCTTGCTGAGCCTATGTCT
GCAGCACTTCTTGGGAGGCTGTGTCACACAGTCACCTTCACTGGGATGATGCGCTGCAGCCAGCTGGCC
CCCAGGGCCCTGCAGGCCACACACTACAGCCTTCTGGCCACGCTGGAGCTGCTGGGAAGCTGCTGCTGG
GCACTCTGGCCGAGGCCTGGCTGATGGGTTGGGGCCACATCCCTGCTTCTTGCTCCTGCTCATCTCTC
TGCTTTCCCGTTCTGTACCTGGACCTAGCACCCAGCACCTTTCTTTGA
  
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|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_138431 unedited</p> <p>GCAGGAATTTGTAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGTCCAGACC<br/> CTAGCCTGTACGACGCTGACTCTGCCCGGTCCCAGAACCAAGCCATGCCGGGTGTGGC<br/> CTCTGACCCACGCGGAGGGGACCTCGCCTTGGGGACCCACCTGGAACCCGACCTCCC<br/> AGCCTCGACGCCGGCCTGAGCCGCCATGCGCGGGAAGTTGCTGCCGCTGGCCGGCCTCTA<br/> CCTGGTGCAGGGCCTGCCCTACGGGCTCCAGTCCGGCCTCCTGCCAGTGCTGCTGCGTGC<br/> CGGCGGCTCTCGCTGACGCGCGTGGGGCTGGCCAAGTTCTGTACGCTCCGTGGCTGCT<br/> CAAGCTGGCTTGGGCCCCGCTGGTGGACGCGCAGGGCTCGGCGAGGGCCTGGGTGACGCG<br/> CAGCACGGCGGGCCTGGGCTGGTGTGTGGGCTGCTTGGCGGGCTGCCCCCTCCTGGAGC<br/> TGGCCAGGCCGGGCTGCCCGCCGCTGTGGCGGGTTGCTGCTGTTGTTGAACCTGGGTGC<br/> CGCCATGCAGGATGTGGCCCTGGACGCGTGGCTGTGCAGCTGCTGGAGCCGGCCGAAC<br/> GGGGCCGGGAATACCGTGCAGGTGGTTCGCGTACAAGCTGGGGGCCGCGTAGCTGGGGG<br/> CGCGCTGTGGCGCTGCTGCCACCTTCTCGTGGCCGCAACTCTNTCTGCTCCTGGCTGC<br/> CACCTACTGGCTGGCCGGGCCCTGGCCTGGGCTGACCAGCCCTCGGCGGCTCCACAG<br/> CAGCCCCCTTCCGAGCAGCGTNNCCACACCGCGCACCTTCTGCGGGACGTGCTAGCCGTG<br/> CCGNGACCGTGTGGACGCGAGGCTTTGTGCTACCTACAAGCTGGGTGAGCAGGGTGCC<br/> AGCAGCCTGGTTCCTCTTTCTGCTGGACCACGGCGTTCTGCTCCCGANTGGGACTGTGG<br/> AATGTGTTGGTGCTT</p> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ACCN:</b>                        | NM_138431                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Insert Size:</b>                 | 1700 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq:</b>                      | <u>NM_138431.1, NP_612440.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>                 | 1468 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq ORF:</b>                  | 1239 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>                    | 113655                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>                  | <u>Q96ES6</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cytogenetics:</b>                | 8q24.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Families:</b>            | Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |