

## Product datasheet for **MC217371**

### **Mfsd7a (NM\_172883) Mouse Untagged Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Mfsd7a (NM_172883) Mouse Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | Mfsd7a                                  |
| Synonyms:                 | 4732482E20Rik; Mfsd7; Slc49a3           |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Fully Sequenced ORF:</b> | <p>&gt;MC217371 representing NM_172883</p> <p>Red=Cloning site Blue=ORF Orange=Stop codon</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br/>GCC<b>CGGATCGC</b></p> <p>ATGGCCGGGACTATGGATAGGCTGGAAGACTGCAACAGCCCGAAACATCTGGGACCGCCGGAGACGCGT<br/>TGCCTAGTCCCCGAGTGTATGCGCGTCGCTGGGTCTTTCTGCTGGTGGTCAGCCTCCTGAGCTGCTCCAA<br/>TGCGATGCTTTGGCTCAGCTTTGCACCTGTAGCAGACACCATAGCACAGCACTTCTTCTGTCCATGGAT<br/>CAGGTCAACTGGCTGTCACTAATACTTTGTGTTATCCATCCATTTGGCATGGCTGCCATCTGGGTTT<br/>TGGACTCTGTTGGCCTCCGTGGAGCGACTATCCTGGGTGCATGGTTGAATTTTCTGGGAGTGTGCTACG<br/>TGCTGTGCCGTGCTTGCCTGTCAAGATTCCAAGCCCTTTGCCTTCTTCATGAGTGGCCAGAGCCTCTGT<br/>GCCCTGGCCAGACCCTGGTCTCTCTCCAGCCAAGCTGGCTGCCTTGTGGTTTCCAGAGCATCAGC<br/>GAGCCACAGCTAACATGATCAGCACCATGTCAAATCCTCTGGGCTCCTATTGCAAATGTGCTGTCTCC<br/>TGCCCTAGTCAAGAAAGCAGATGACATCCCTATGATGCTTGGCATCTACATCGGTCTGTGCCCTTGCC<br/>TGTCTGTTGGCCACTGTCTGCCTCTGGGAGAGTGTGCCTCTACCCACCATCCACAGGGGCTGCCAACT<br/>CTACTTCAGAGAGTTTCTCCGAGGGCTCAAATGCTCATACAGAATAAGGCCTACGTCCTCTGGCCGT<br/>ATGCTTCGGTGGTGGCATTGGTGTCTTCTCTAGCTTCTCAGCCCTCCTGGAACAGATCCTTTGTGCCAGT<br/>GGCTATTCTAATGAGTTCTCAGGCCTCTGTGGGCTCTCTTCATCGTGTGGAAATTTGGGGGCACTGC<br/>TTCTAGGCCTGTATGTGGATCGGACCAAGCACTTACCGAAGCCACCAAGATAGGCCTCTGTCTGACTTC<br/>CATGACCTCTGTGGCCTTTGCTCTGGTATCCAGCTGCAGGGACAGACCCTTGCCTGGCTGCCATCTGC<br/>TCCCTCTTTGGGCTCTTTGGCTTCTCAGTGGCACCTGTGGTGTGAGAGCTGGCTGTTGAATGCTCATTTT<br/>CTGTGGGTGAGGGTGCCTCTGCTGGCTTGATCTTTGCTCTGGGCGAGCCGAGGGTATGCTCATCATGCT<br/>GCTATTGACGGCACTGACTGTGCGGCGAACGGGTCCATCCTTTTCTACCTGCCAGCAGGGTGAAGACCCT<br/>CTGGACTGGACAGTGTCCCTGCTGCTGCTGGCCGGCCTATGTACCCTTTTACCTGTGTCTTGGTGATCT<br/>TCTTCAACACCCCATACCGGCGCCTGGAGGCTGAGTCTGGCGGATCCTTTCACCCACGATGTGTGCCAG<br/>GGATCAAGGACTGTTAGTCCACCCAAGTGCCACCCTTGAAGTCTGGCTTGAAGTCTCCAGATGAG<br/>GCCTTGAAGGAAGCTCCTGGCCCTGCTTCTGTCTCAAAGGACATTGAGAATGGGAGAGACTATGCCCA<br/>GAGACGTCTAG</p> <p>AG<b>CGGACCG</b>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC<br/>TGGATTACAAGGATGACGACGATAAGGTTTAA</p> |
| <b>Restriction Sites:</b>   | Sgfl-RsrII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ACCN:</b>                | NM_172883                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Insert Size:</b>         | 1551 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**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\\_172883.2](#), [NP\\_766471.1](#)

**RefSeq Size:** 2508 bp

**RefSeq ORF:** 1551 bp

**Locus ID:** 243197

**UniProt ID:** [Q8CE47](#)

**Cytogenetics:** 5 F