

## Product datasheet for **MC205862**

### Mfsd1 (NM\_025813) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mfsd1 (NM_025813) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mfsd1
Synonyms:	1200003O06Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC024891  
 TTGCTTCCTGCTCCGTTTCAGGCTGCAAGCTGATGGAGGACGAGGATGGGGAAGATCGGGCGCTGCTTGG  
 GGGCCGCCGCGAGGGCGGACAGCGCAGTCCATGGCGCCCTCGCGCTCTGTCCGCGCTCTGCGACCCACG  
 CGCCTGGCGCACCGGCTCGTGGTGTGTGCTCATGTGCTTCTTGGCTTCGGCAGCTATTTCTGCTATG  
 ACAACCCCGCTGCCCTTCAGACTCAGGTGAAACGGGACATGCAAGTGAACACCACGAAATTCATGCTGT  
 GTATGCCCTGGTATTTCTGGCCCAATGTAGTTTTGTGTTTCTTGGTGGCTTTTTGATAGACCCGCATATTT  
 GGAATACGATGGGCGACAGTTATTTTTAGCTGCTTTGTTTGCATTGGACAGGTTATATTTGCTCTGGGTG  
 GTATATTTAATGCATTTTGGCTGATGGAGCTTGGGAGGTTTGTGTTTGAATTGGTGGAGAGTCCTTAGC  
 AGTTGCCCAGAATACATATGCTGTGAGTTGGTTTAAAGGCAAAGAATTAACCTGGTGTGGACTTCAA  
 CTCAGCATGGCCAGAATTGGAAGCACAGTGAATATGAACCTCATGGGATGGCTGTATGGGAAGATTGAAG  
 CATTACTGGGCTCAGCTGGCCACATGACCCTGGGCGTGACACTTATGATTGGGTGTATAACGTGCATTTT  
 TTCATAATCTGTGCTTTGGCTTGTCTTATTTGGATCGGAGAGCAGAGAAAATACTTCATAAAGAACAA  
 GGGAAAACAGGTGAAGTCATTAAGCTGAGGATATAAAGGACTTCTGTTACCCCTGATCCTGGTCTTTG  
 TCATCTGTGTCTGCTACTACGTGGCGGTGTTCCCGTTCATCGGGCTGGGCAAAGTTTTCTCATGGAGAA  
 ATTCAGATTCTCTCCCAGTCAGCAAGTCAATTAACAGTATCGTGTATATCATATCAGCTCCCATGTCT  
 CCATTATTTGACTCTTGGTGGATAAAAACAGGCAAGAACATCATCTGGGTCTGTATGCGGTGGCCGCCA  
 CCCTCGTGTCCCACATGATGCTGGCCTTACCTTTTGAACCCATGGATTGCTATGTGTCTCCTGGGGTT  
 CTCTACTCATTGCTGGCCTGTGCATTGTGGCCAATGGTGGCATTATAGTTCTTGAACACCAGCTGGGG  
 ACTGCATATGGATTATGCAGTCTATTCAGAACCTCGGGCTGGCCGTCATCGCTATCCTTGTGGCATGA  
 TCCTGGACTCGAAGGGATACTTGTGCTGGAGGTGTTCTTCAATGGCTGTGTTTCTTTGTCACTGCTGGC  
 TGTTGTCTGTCTGACTTGGTGAACCGTGCCCAAGGAGGGAATCTAAATATTCTGCAAAAACAAAGGGAA  
 CGGATGAAGCTCTCTCATCCAGAGTAAAGCCGTGAGAAGGGATAGCATTGCGGGCTGACTGGAACCTTC  
 AGGAAGACTTCTTTTTTAAACGTCAATGTAGAAAAATAATAGAACGGAAAAATATATTTATATGAAAT  
 ATACCTACTTAAAGTGATTTCATGCAGACTATCTTAGCCTTTCATAACCATGTGTTGTGGAAGGTTTCTGG  
 TCGTGAACAGTGAACAGTTTAGGGAATCTGGAACATTCAGGCAAAGACCTCTGTAAGGATCTGCATCTTC  
 TGCCGGGACGATTTCTAATAAAGGGCTCTGCAGATGTAGCCTTTCCTTGTATTATAGCAGGAAAAAGG  
 GCAAAGCCACAAAACAGGAGGGTCTGTGGTAGAAGGCTGTACATACATAATAAAGAATGACATTTTAAC  
 CGCACTACTGTCTAGAGAACAATATGTAATCGCTCCATATTTCCCTTAGGAGATTATGTGTGAAT  
 GTCGTTAGTGATGGCTGTGAGCAGCAAACCTTTGGAAGTTTTTTTTTTTTTTTTTCTTAAAGACAATAA  
 AAGTGCCTTCAGTTTATGATGGCTACCTATAGACATGGATCCATAAAAACCAATGCAAAAAGGTAGACTCG  
 ATGCTGCCTTATATTTTACAACATTGCAATACCAACTCAAGTTTTCTGTGGAATATAATCTCCAGAA  
 ATCAAATCTTCAATAAAGAAAAATCCTAGATCCAATCTCATTGAATAGTTTTATAGGTGTAAAGTACGT  
 GGGGTACATAGCCTTGTATGCTTCAAGCTTTGGCACCAAGGGCTGGAGAGATGACTCGGTGGTTAAGAAC  
 ATTTACTGCTCTTAAAGAGGACCCAGGTGAGTTTTAGCATCCACATGGGGCCACTCATAGTACACCTAA  
 CTCCAGCTCCCAGGGATCCAGTGCCTGCTGAATCTTAAGCAGTACAGAAACAGTTTGAAAAATGCATTCC  
 TTTTCTTTTTGGTTTATAGTTTGTATGCATTTCTCACTTGTGAGCTTCGAGGCTTTGACTACATGTGAC  
 TCTCATAGCACATGTCAAGTATATGAACTGGCCCTCTGCACTGGTCTGTCTTCCCACTGTGTCCACAT  
 GAGGTGTGGGGAGCCTTGACATGCTTATGAATAGGCTGGTGCCTGCTCGGCTCACAGGGTTGTCCATCT  
 TGATTTCTTCTTGTAGTGTATTCTCTAGTGACACTTAACCTGGTTCCATCTGACTTAAACAAAAAC  
 CTTAGTTTCCAGCTCAGAATCATCCTAACATAGAAACTTCTTAGGCCACTCAGGCTGTATACAATTAAT  
 GATACCTATGAACTTTGAAAGCCTCATCCTGTGCCTTTTTAGCTCACTTCGATTTGTGAGAAATTTGTGG  
 CATTGTGGGCTTGGGGTGTATTTGATCGTCTTAGATTGTGAGCTCCATGAGAGCAGGGACATTGCCTGG  
 CTTGTTAGTGACTCTATCCTAGTGCCTAGCATAATGAATGTACAAAACTTTTTCTTTCTCTTTTGTATA  
 ATGTATAAAAATAAAAAGTAATTGGAACAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_025813  
**Insert Size:** 1395 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>	<a href="#">BC024891</a> , <a href="#">AAH24891</a>
<b>RefSeq Size:</b>	3009 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	66868
<b>UniProt ID:</b>	<a href="#">Q9DC37</a>
<b>Cytogenetics:</b>	3 E1
<b>Gene Summary:</b>	Lysosomal transporter which is essential for liver homeostasis (PubMed:31661432). Required to maintain stability and lysosomal localization of GLMP (PubMed:31661432, PubMed:32959924).[UniProtKB/Swiss-Prot Function]