

## Product datasheet for **MG208227**

### **Mfsd4 (BC058790) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mfsd4 (BC058790) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mfsd4
Synonyms:	A230072B04; A930031D07Rik; A1850289; Mfsd4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208227 representing BC058790  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGCTGCGACGGCCGGGTGTCTGAGCTGCTCCGCCAACCTACAGCCACGCTCACCTACTGGAGCG  
 TCTTCTTCAGCTTCGGCCTGTGCATCGCCTTCTGGGGCCACGCTTCTGGACCTGCGCTGCCAGACGCA  
 CAGCTCGTTGCCAGATCTCCTGGGTCTTCTTCTCGCAGCAGCTCTGCCTCCTGCTGGGAGCGCCCTC  
 GGGGGTGTCTCAAGAGGACCCTGGCCAGTCGTATGGGCCCTTTCACCTCTACCCTGGTCATCTCCC  
 TGGTTTTTGTGTATCCCCTTCTGCCATGACGTGAAGTATTGGCCTCGGTATAGCGCTGGCGGGCT  
 GGCCATGGGCTGCATCGACACCGTGGCCAAATGCAGTTGGTGAAGATATACCAGAAGGACTCAGCCTTC  
 TTCCTCAGTCTTTCATTTCTCGTGGCCTTGGTGTCTGCTGAGCCCCCTGATTGCGGACCCCTTCC  
 TGTGAGAGGCAACTGCTTCTGCTAATAACACAGCCAATGCCACCTCCAGAAGCCATGGATCCGGGT  
 CCTGAGCCAACATCACGCAGCAGCCAGCCTTGGATAAACCAGACGATCCCAGGCTGCCCCAAAGGAG  
 GTGACCGAGAACCACGTATCCTATGCCTTCTGGATCATGGCTCTCATCAATCTCCAGTGCCTTGGCTG  
 TTCTGTTCTGCTGTCCAAGGAGCGGTGCTGACCTGCGCTCAGAGGAAGCCACTGCTCCTGCTGCGGA  
 TGAGCTTGCACTGGAGACCCGGCCTGCTGAGAAGGAAGACACCTCCTCACTTGCCCCAAGTTTCAGCCA  
 CACTCAGGGCAGGAGGACCTGTTGAGCTGCTGCCAGAGGAAGAACTTCCGGGGAGCCCGTGTCTTTCT  
 TCGCCATCCACATCACGGCAGCTCTGGTCTGTTGATGACAGACGGGATGATGGGCGCTTATTGGCCTT  
 TGTGTACAGCTATGCTGTGGAGAAGCCGCTCTCTATTGGACACAAGTCAGCTGGTTACCTCCCTAGCCTC  
 TTCTGGGGTTTCATCACTCTGGGAGGTTGTTGTTGACCTTCTCCATCCAGTCTCCTCAAGAATGAGCCAGCCACCA  
 TGGTGTTCATCAATGTGGTGGGAGTGGTGGTACCTTCTGATGCTGCTTATCTTCTCAATGTGCAT  
 CTTCCTGTTTGTGGGACCGCAAGCCTGGGCTGTTTCTCAGTAGCACCTTCCCAAGTATGCTGGCCTAC  
 ACCGAGGACATCCTCCAGTATAAAGTTGTGCGACCACAGTGTGGTACTGGGGCAGGCATTGGCGAGA  
 TGGTCTGCGAGATGCTGGTTGGCTTGTCTTTCAGGCCAGGGCAGTTACAGTTTCTGGTCTGTGGTGT  
 GATCTTTGGCTGCCTGGCTTTTATCTTCTACATCTTGCTCTGTTTTTCCACAGGATACACCCTGAACCT  
 TCATCAGTGAAAACATGATTCTGATAGCGCAAGTTCCACAGAGCGTGAGACGCATCATCACCCG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208227 representing BC058790  
 Red=Cloning site Green=Tags(s)

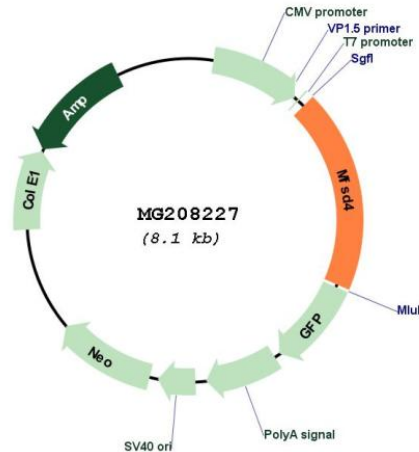
MGCDGRVSELLRRNLQPTLTYWSVFFSFLGCI AFLGPTLLDLRCQTHSSLPQISWVFFSQQLCLLLGSAL  
 GGVEFKRTLAQSLWALFTSTLVISLVFAVIPFCHDVKVLASVIALAGLAMGCIDTVANMQLVRIYQKDSAF  
 FLQVLHFFVGLGALLSPLIADPFLSEANCFPANNTANATSRSHGSRVLSQHHAQAQPWINQTIPRLPPKE  
 VTENHVSYAFWIMALINLPVPLAVLFLLSKERLLTCAQRKPLLLSADELALETRPAEKEDTSSLAPKFQP  
 HSGQEDLFSQQQRKNFRGAPCSFFAIHITAALVLFMTDGMGAYSFAVYSYAVEKPLSIGHKSAGYLP  
 FWGFITLGRFISIPVSSRMRPATMVFINVGVVVTFMLLLIFSYNVIFLFGVTASLGLFSSTFPSMLAY  
 TEDILQYKGCATTVLVTGAGIGEMVLQMLVGLIFQAQGSYSFLVCGVIFGCLAFIFYILLFFHRIHPEL  
 SSGENMILIAASSTERETHHP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul



**Plasmid Map:**


**ACCN:** BC058790

**ORF Size:** 1538 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.

**RefSeq:** [BC058790](#), [AAH58790](#)

**RefSeq Size:** 2434 bp

**RefSeq ORF:** 1538 bp

**Locus ID:** 213006

**Cytogenetics:** 1 E4