

Product datasheet for **MR207175**

Mfsd11 (NM_178620) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfsd11 (NM_178620) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mfsd11
Synonyms:	2600014M03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207175 representing NM_178620
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTC**CCCGGAGTCTAAAAGCTTTTCAACATCGTTATTTTAGGAGTTGCCTTTATGTTTATGTTACCCG**
CCTTTCAGACTTGTGAAATGTGGCGCAA**ACTGTCATCAGGAGCTTAAATAGCACAGATTTTCATGGCAG**
 TGGATATACCAGCTTGGCAATTATTTATGGCGTGTCTCTGCTTCAAATTTGATCACTCCGTC**CCGTGGT**
 GCCATTGTTGGACCTCAGATCTCTATGTTTGT**CAGTGGTTGTTTACAGCATGTACATTGCCGTTTTTA**
 TCCAGCCTTTCCATGGTCTTCTACACAGCATCTGTCTT**CATCGGAATGCCGCTGCTGTCTTTGGAC**
 AGCACAAGGAAATG**CCTGACGATAAATCTGATGAGCACACAATCGGGAGAAACAGCGGAATTTCTGG**
 GCACTCTTACAGTCTAGCTTGTCTTTGGGAATCTCTACATATATTTGCATGGCAAGGGAAGCC**CAGA**
 TCTCAGAGCATGACCGAAGGACAGTGT**TATTGCTCTGACAGTGATAAGCCTCGTGGGACCGTTCTGTT**
 CTTTCTCATT**CGAAACAGATCCTGAGAATGTCCTTGGAGAAGAAGAGTCTTGGCATGACCAGGACATG**
 GAAGCCACCGAGTCTGCCAGAA**CAACGTGACAAAGGCAGTCGATGCGTTAAAAAGTCTCTGAGGCTGT**
 GTGTCAC**CGGAGATGCTGCTCCTGAGCGTACGACTGCCTACACAGGCTGGAGCTGACCTTCTCTC**
 TGGGGTGTACGGTACCTGTATTGGGGCCGTA**AAACAAATTTGGGACAGAAGAGAAAAGCCTCATTGGACTT**
 TCTGGAATTTT**CATCGGCATTGGAGAGATTTTAGGTGGGAGCCTCTTCGGCCTGCTGAGCAAGAAGC**
 GCTTTGGCAGGAACCCGGT**CGTCTGCTCGGCACCCTGGTGCACCTCGTAGCCTTCTACTTGATCTTTCT**
 CAACATGCCCGGAGACCGCC**CATTGCCCTGTGGAAGGACCAACAGCATTGCATACATCAGGCCACG**
 AAAGAAGTTGCCATTCTCTG**CAGTTTCTGCTGGGTCTGGGAGACAGCTGCTTCAACACCCAGCTGCTTA**
 GCATTCTGGGTTTTCT**CTACTCGGAAGACAGCGCCCGCCTTCGCGGTCTTAAGTTTGTTCAGTCAAT**
 CTGCGCAGCCG**TGGCCTTTTTCTACAGCAACTACCTCCTCCACTGGCAGCTCCTGGTCATGGTGATA**
 TTTGGGTTTTTTGGAAC**ATTTCTTTCTCGCTGTGGAGTGGGACGCTGCTGCCATCGTGGCCCGAGGCT**
 CGGACTACCGAAGCATT

ACGCGTACGCGGCCGCTCGAGCAGAA**ACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207175 representing NM_178620
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MSPE**S**KKLFNIVILGVAFMFMTAFQTCG**N**VAQTVIRSLNSTDFHGSGY**T**SLAIIYGVFSASNLITPSV**V**
 AIVGPQISMFV**S**GLFYSMYIAVFIQPPW**S**FYASVFIGIAAAVLWTAQGNCLTINSDEHTIGRNSGIFW
 ALLQSS**L**FFGNLYIYFAWQ**G**KTQISEHDRRTVFI**A**LTVISLVGT**V**LFFLIRKPD**P**ENVLGEEESCDDQDM
 EATE**S**AQNNVTKAVDAFKKSLR**L**CVTREMLLLSVTTAYTGLELTF**F**SGVYGT**C**IGAVNKF**G**TEEKSLIGL
 SGIFIGIEILGGSLF**L**LSKNSRFGRNPV**V**LLGTLVHFVAFY**L**IFLNMPGD**A**PIAPVEGTNSIAYIRPS
 KEVA**I**LCSFLLGLGDS**F**NTQLLSILGFLYSEDSAPAFV**F**KFVQ**S**ICAAVAFFYSNYLL**L**LHWQL**L**VMVI
 FGFFGTISFFAVEW**D**AAAI**V**ARGSDYRSI

TRTRPLE**Q**KLISEEDLAANDILDYKDDDD**K**V

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_f02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_178620

ORF Size: 1347 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: [NM_178620.4](#)

RefSeq Size: 3172 bp

RefSeq ORF: 1350 bp

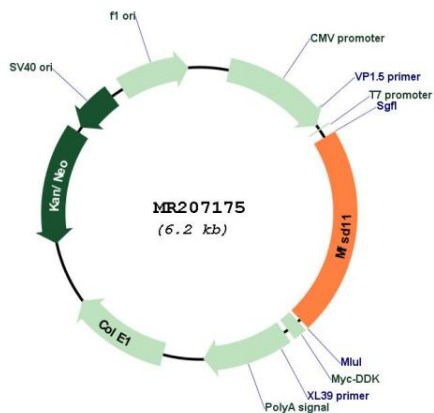
Locus ID: 69900

UniProt ID: [Q8BJ51](#)

Cytogenetics: 11 E2

MW: 49.6 kDa

Product images:



Circular map for MR207175