

Product datasheet for **RC232745**

MFSD11 (NM_001242533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFSD11 (NM_001242533) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MFSD11
Synonyms:	ET
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232745 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTC**CCCCGGAATCTAAAAAGCTTTTCAACATCATTATTTTAGGAGTTGCCTTTATGTTTATGTTCACTG**
CCTTTCAAACTTGTGGAAATGTGGCGCAA**ACTGTCATCAGGAGCTTAAATAGGACAGATTTTCACGGCAG**
TGGATATACCAGCATGGCTATTATCTATGGAGTGTCTCTGCTTCAAATTTGATTACACCGTCAGTGGTT
GCCATTGTAGGACCTCAACTCTCTATGTTTGCCAGTGGTTATTTTACAGCATGTACATTGCCGTTTTCA
TCCAGCCTTTCCCGTGGTCTTCTACACAGCCTCTGTTTTATTGGAATTGCTGCTGTGCTTTGGAC
AGCACAAGGAACTGCCTGACAATCAATTCGGATGAGCACAGCATTGGGAGAAACAGTGGGATTTCTGG
GCACTTCTGCAGTCTAGCTTGTCTTTGGAAATCTCTACATATATTTGCCTGGCAAGGGAAA**ACTCAGA**
TATCAGAGAGTGACCGAAGAACAGTGTATTGCCCTAACGGTGATTAGCCTTGTGGGACAGTTCTATT
CTTTCTCATTCGAAAC**AGATTCTGAAAATGTCTAGGAGAAGATGAGTCTTCTGATGACCAGGACATG**
GAAGTCAACGAGTCTGCCAGAACAATCTGACAAAGGCAGTAGATGCTTTTAAAAAGTCTTTAAGTTAT
GTGTCACCAAGGAGATGCTCCTTCTTAGTATTACAACTGCTTATACAGGTCTGGAATTA**ACTTTCTCTC**
TGGTGTATATGGAACCTGTATTGGTGCTACAAATAAATTTGGAGCAGAAGAGAAAAGCCTTATTGGACTT
TCTGGCATTTTT**CATCGGCATTGGAGAAATTTAGGTGGAAGCCTCTTCGGCCTGCTGAGCAAGAACAATC**
GTTTTGGTAGAAATCCAGTTGTGCTGTTGGGCATCCTGGTGCACTT**CATAGCTTTTTATCTAATATTTCT**
CAACATGCCTGGAGATGCCCGATTGCTCCTGTTAAAGGAACTGACAGCAGTGTACATCAAATCCAGC
AAAGAAGTTGCCATTCTCTGCAGTTTTCTGTTGGGCCTTGAGACAGCTGCTTTAATACCCAGCTGCTTA
GTATCTTGGGCTTTCTGTATTCTGAAGACAGCGCCCAAGCATTGGCCATTTCAAGTTTGTTCAGTCTAT
TTGCGCAGCCGTTGGCATTTTTCTACAGCA**ACTACCTTCTCCTTCACTGGCAACTCCTGGTCATGGTGATA**
TTTGGTTTTTTGGAACAATTTCTTTCTCACTGTGGAATGGGAAGCTGCCGCTTTGTAGCCCGCGCT
CTGACTACCGAAGTATC

ACGCGTACGCGCGCGCTCGAGCAGAA**ACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232745 protein sequence
 Red=Cloning site Green=Tags(s)

MSPE**SKKLFNIIILGVAFMFMTAFQTCGNAQTVIRSLNRTDFHGSGYTSMAIIYGVFSASNLITPSV**
AIVGPQLSMFASGLFYSMYIAVFIQPPWFSFYTASVFIGIAAAVLWTAQGNCLTINSDEHSIGRNSGIFW
ALLQSSLFFGNLYIYFAWQKQTISESDRRTVFIALTVISLVGTVLFLLIRKPDSENVLGEDESSDDQDM
EVNESAQNNLTKAVDAFKK**SFKLCVTKEMLLLSITTAYTGLELTFVSGVYGTICIGATNKGAEKSLIGL**
SGIFIGIGEILGGSLFGLLSKNNRFRNPVLLGILVHFIAFYLIFLNMPGDAPAIAPVKGTSSAYIKSS
KEVAILCSFLLGLGDSFNTQLLSILGFLYSEDSAPAFAIFKFVQ**SICAAVAFFYSNYLLLHWQLLVMVI**
FGFFGTISFFTVEWEEAAAFVARGSDYRSI

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk8112_b10.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001242533

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_001242533.2](#)

RefSeq Size: 2988 bp

RefSeq ORF: 1350 bp

Locus ID: 79157

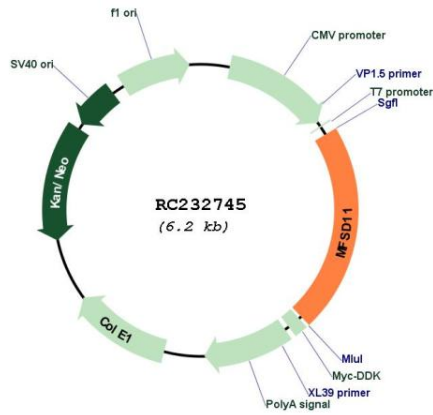
UniProt ID: [O43934](#)

Cytogenetics: 17q25.1-q25.2

Protein Families: Transmembrane

MW: 49.2 kDa

Product images:



Circular map for RC232745