

Product datasheet for **MR224019**

Mfsd8 (NM_028140) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfsd8 (NM_028140) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mfsd8
Synonyms:	2810423E13Rik; AI836898; AV142426; Cln7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224019 representing NM_028140
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAACCTGGGAAGTGAGGCCGAGCGGGAGCCCTCTTGGGCCCGGATCACCCGGAAGCAGAGAAT
 GGAGCGAGATAGAAACCAAGAGCATTACAAGAGTAGATGGAAGTCTGTGAGGATTCTCTACCTTACCAT
 GTTCTCAGCAGTGTGGGTTTTTCTATTGTGATAATGTCCATCTGGCCATATCTTCAAAAGATTGATCAG
 ACAGCTGATGCAAGTTTTTGGGCTGGGTATTGCTTCATATAGTCTTGGCCAAATGGTAGCTTACCTC
 TATTTGGCTTATGGTCTAATTATAGGCCGAGAAAAAGAACCTCTTATCGTCTCCATCTCTATTTCCGGTGGC
 AGCCAACCTGCCTATATGCGTATGTCCACGTGCCAGCTGCTCATAATAAATACTACATGTTGATTGCTCGT
 GGATTGGTGGGATTTGGAGCAGGAAATGTTGCCGTTGCCGATCATACTTGTGGTGTACTTCCCTTC
 AGGAAAGAACAATGCCATGGCTAATACAAGCACATGCCAAGCCCTGGGCTTTATCTCGGTCCAGTTTT
 TCAGACTTGTCTTGCCTATTGGAGAAAAAGGTGTGACGTGGGACATCATCAAGCTGCAGGTCAACATG
 TACACAGCACCAGTTTTACTTGCAGCCTTCTGGGAATCTAAACATTATTCTGATTCTTTTTATATTAA
 GAGAGCATCGTGTGGATGACTTGGGACGTCAAGTGAAGAGTGTGAATTTCAAGAAGAAAATACAGATGA
 ACCTCAGATTCTGAAGGAAGTATTGATCAAGTTGCTGTTGTGGCTACCAATATTGTGTTTTTTGTGGTT
 TATTTTATCTTTGCTGTTTATGAAACAATCCTCACCCCACTAACCTGGATATGTACGCCTGGACCCAGG
 AGCAGGCTGTGCTCTATGATGGAATCCTCCTTGTGCTTTTGGAGTTGAGGCAGTTCTTGTCTTCATGGG
 GGTTAAATTACTTTCAAAAAGATTGGCGAGCGTCTATCTCCTGGGAGGATTTGTGGTTGTATGGGTC
 GGCTTCTTTATCTTGTACCTGGGAAATCAGTTTCCAAAATACAGTGGGAAGATTTACACAACAGCT
 CAACCCCTAATACTACATTTGGGAAATAATTATTGGTCTTTGGAATCTTCAAGAGAAGATCACAGTGA
 ACAGCCAACTGGGTGCCAATTGAACAGACCTGGTGCCTGTACACCCAGTGATTCTGCCCCAGTTTC
 CTGACAGCTGCTGTGTTAATTGGAACAGGCTATCCAGCCTGCAGTGTGATGCTCTATACATTATACTCAA
 AAGTTCTAGGACCCAAACCTCAGGGTATATACATGGGCTGGTTAACCCTTCTGGAAGTGCAGCAGCGGAT
 TCTTGGGCTGTGTTTATCAGCCATGTGTACACTTACTTGGGCCACGATGGGCATTACGCTTGTGTGT
 GGAATAGTAGTGTCCATCTTGTCTAATAGGAGCTGTTACAAAAGACTCGTTGCCTTTCTGTCAGAT
 ATATGAGGATCCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224019 representing NM_028140
 Red=Cloning site Green=Tags(s)

MANLGSEAEREPLLPGSPGSREWSEIETQEYHYSRWKSVRILYLTMFLSSVGFIVIMSIWYPYLQKIDQ
 TADASFLGWVIASYSLGQMVASPLFGLWSNYRPRKEPLIVSISISVAANCLYAYVHVPAAHNKYYMLIAR
 GLVFGAGNVAVVRSYIAGATSLQERTNAMANTSTCQALGFILGPVFQTCFALIGEKGVTWDI IKLQVNM
 YTAPVLLAAFLGILNIIILFILREHRVDDLGRQCKSVNFQEENTDEPQIPEGSIDQVAVVATNIVFFV
 LFI FAVYETIL TPL TLDMYAWTQE QAVL YDGILL VAFGVEAVL VFMGVKLL SKKIGERA ILLGGFVVVW
 GFF ILLPWGNQFPKIQWEDLHNSSTPNTTFGEI IIGLWNSREDHSEQPTGCP IEQTWCL YTPVIHLAQF
 LTA AVL IGTGYPACSVMSYTL YSKVLGPKPQGIYMGWLT TSGSAARILGPVFI SHVYTYL GPRWAFSLVC
 GIVVLTILLIGAVYKRL VAFSVRYMRIQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9016_a03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_028140

ORF Size: 1557 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_028140.5](#)

RefSeq Size: 3051 bp

RefSeq ORF: 1560 bp

Locus ID: 72175

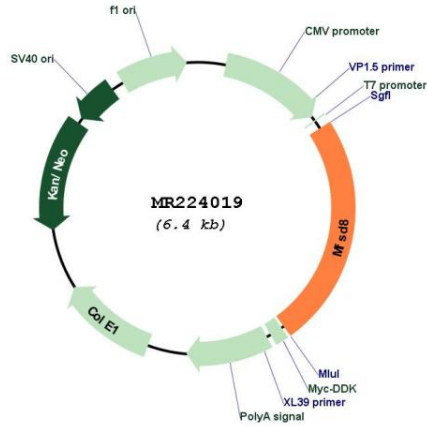
UniProt ID: [Q8BH31](#)

Cytogenetics: 3 B

MW: 58 kDa

Gene Summary: May be a carrier that transport small solutes by using chemiosmotic ion gradients.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224019