

Product datasheet for **RC206353**

MFSD4B (NM_153369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFSD4B (NM_153369) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MFSD4B
Synonyms:	KIAA1919; NaGLT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206353 representing NM_153369
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGTGCCCTCTTCTGGGGCTGGGATTGAGTGTTGCTATAGTGGGACCCACGTTTCAAGATTGG
 CAACAAACGTGAACCGAAATATCAGTAGCTGTCTTTTCATTTTTGTGGTTCGTCCTTGGGATATTTGAG
 TGGCTCTGTGATTGGTGGATTTCTGTGCGATGTCATGAATTATTTTTACTTTTGGGAATCTCAATGTCC
 GCTACCACCGTTGGTCTTATCTTGTCTTTTTGCAAGACAGCAATATTACTACTGTCATGATGTCTA
 TCTTCGGTGTTCATTGGCATTCTGGATACAGGTGTAACGTCCTTATCTTGGCTATTTGGGGGACAA
 AGGAGCCCCACATATGCAGGCCTTACACTTCTCTTTTGCCTTGGGTGCCTTTTGGCTCCACTGCTAGCT
 AAAGTGGCTTTGGTCCGACAGCGTCTGCTGAAAACACACAGAGTCTGACTTCCATCCTGCACTCAACC
 AATCATCTGATGCTGACTCAGAAGCTCTGTTGGAGTACCTAATGATAAGAATTTACTGTGGCTTATGC
 TGGTATCGGTACTTACATGTTCTTAGTTTCTGTCAATTTTTTTTGTCTGTTTTTAAAGAATAGCTCAAAG
 CAAGAAAAGCAAGACATCTGCTGAGACATTCGAAGAGCAAAATATCAACAACGCCCTTCTTTGTCTCC
 TTTTTCTGTTCTTCTTTTTTATGTTGGAGCTGAGGTAACATATGGCTCTTATGTTTTCTCATTTGCAAC
 CACCCATGCTGGCATGAAAGAAAGTGAAGCTGCTGGGTTGAACCTCATCTTCTGGGGACATTTGCAGCC
 TGCAGGGGCTGGCAATCTTTTTGCTACCTGTTTACAGCCTGGAACCATGATTGTGTTGAGCAACATTG
 GCAGCCTGACTTCATCTTTATTTCTGGTCTTTTTGACAAGAACCAATTTGCTCTGGATAGCAACTTC
 AGTGATAGGGGCTCAATGGCAACCACATTTCCGAGTGGTGTCTTGGATTGAGCAGTACACGACCATC
 CATGGGAAATCTGCAGCATTTTTGTAAATGGTCTTCCCTGGGAGAAATGGCTATTCTGCAAGTATTG
 GAATTTCAAGGAAAATACCCTGATTTGCCTGTAGTTCTGTATACCTCTTTGGGAGCATCAATAGCTAC
 TGGTATTTTATTTCTGTCTATATAAATTAGCCACTTACCTCTTGATCGCCAGCGAAAAGAAGACAGA
 AAGAGTGAGGACCAGAAAGCTCTGCTCTAGCTCCGGGCTAAATGAATATGAGGAAGAGAAATGAAGAGG
 AGGATGCAGAAAATGGAATGAAATGGATTTTGAATGATTGAAACGAATGATACAATGAGGCATTCTAT
 AATAGAGACATCTAGAAGTAGTCTGACGGAGCCACAGCTGAAGTCTATAATCAATACCCATCAAATGCA
 CTGGTGTGAGTCTTCTCTTTAATACTGGCAGTGCCCATGTGAAGCACTTGCCAGAAACCAGGACAA
 AAGGGACTAACGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206353 representing NM_153369
 Red=Cloning site Green=Tags(s)

MLCASFLGLGLSVAIVGPTFQDLATNVNRNISSLSFIFVGRALGYLSGSVIGGFLVDVMNYFLLLGISMS
 ATTVGLYLVPFCKTAILLTVMMSIFGVSIGILDTGGNVLILAIWGDKGAPHMQUALHFSFALGAFLAPLLA
 KLALGPTASAENHTESDFHPALNQSSDADSEALFGVPNDKNLLWAYAVIGTYMFLVSVIFFCLFLKNSSK
 QEKARASAETFRRAKYHNALLCLLFLFFFYVGAEVTYGSYVFSFATTHAGMKESAAGLNSIFWGTFAA
 CRGLAIFFATCLQPGTMIVLSNIGSLTSSLFLVLFDKNPICLWIATSVYGASMATTFPSGVSWIEQYTTI
 HGKSAAFFVIGASLGEMAIPAVIGILQKYPDLPVVLYTSLGASIAATGILFPVLYKLATSPLDRQRKEDR
 KSEDQKALLSSSGLNEYEEENEEDAELKWNEMDFEMIEIETNDTMRHSIIETSRSSLTEPTAEVYNQYPSNA
 LVFESSPFNTGSAHVKHLPETRTKGTNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8102_d06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_153369

ORF Size: 1554 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_153369.4](#)

RefSeq Size: 3930 bp

RefSeq ORF: 1557 bp

Locus ID: 91749

UniProt ID: [Q5TF39](#)

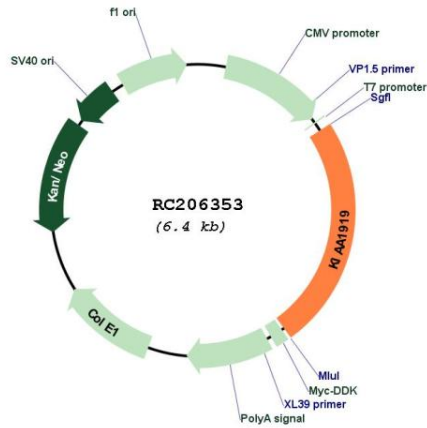
Cytogenetics: 6q21

Protein Families: Transmembrane

MW: 56.2 kDa

Gene Summary: May function as a sodium-dependent glucose transporter. Potential channels for urea in the inner medulla of kidney.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC206353