

## Product datasheet for **SC108020**

### **MFSD2A (NM\_032793) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MFSD2A (NM_032793) Human Untagged Clone
Tag:	Tag Free
Symbol:	MFSD2A
Synonyms:	MCPH15; MFSD2; NEDMISBA; NLS1; SLC59A1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_032793, the custom clone sequence may differ by one or more nucleotides

```

ATGGCCAAAGGAGAAGGCGCCGAGAGCGGCTCCGCGGCGGGGCTGCTACCCACCAGCATCCTCCAAAGCA
CTGAACGCCCGCCAGGTGAAGAAAGAACCGAAAAAGAAGAAACAACAGTTGTCTGTTTGCACAAGCT
TTGCTATGCACCTGGGGGAGCCCCCTACCAGGTGACGGGCTGTGCCCTGGGTTTCTTCTTCAGATCTAC
CTATTGGATGTGGCTCAGGTGGGCCCTTCTCTGCCTCCATCATCCTGTTTGTGGCCGAGCCTGGGATG
CCATCACAGACCCCTGGTGGGCCTCTGCATCAGCAAATCCCCCTGGACCTGCCTGGGTGCGCTTATGCC
CTGGATCATCTTCTCCACGCCCTGGCCGTCATTGCCTACTTCTCATCTGGTTCGTGCCGACTTCCCA
CACGGCCAGACCTATTGGTACCTGCTTTTCTATTGCCTCTTTGAAACAATGGTCACGTGTTTCCATGTT
CCTACTCGGCTCTCACCATGTTTCATCAGCACCGAGCAGACTGAGCGGGATTCTGCCACCGCTATCGGAT
GACTGTGGAAGTGTGGGCACAGTGTGGGCACGGCGATCCAGGGACAAATCGTGGGCCAAGCAGACACG
CCTTGTTCAGGACCTCAATAGCTCTACAGTAGCTTACAAAAGTCCAACCATAACATGGCACCCT
CACACAGGAAACGAAAAGGCATACCTGCTGGCAGCGGGGTCATTGTCTGTATCTATAAATCTGTGC
TGTTCATCCTGATCCTGGGCGTGGCGGAGCAGAGAGAACCCTATGAAGCCAGCAGTCTGAGCCAATCGCC
TACTTCCGGGGCCTACGGCTGGTCATGAGCCACGGCCATACATCAAACCTATTACTGGTTCCTCTTCA
CCTCCTTGGCTTTCATGCTGGTGGAGGGAACTTGTCTTGTGTTTGCACCTACACCTTGGGCTTCCGCA
TGAATTCAGAATCTACTCCTGGCCATCATGCTCTCGGCCACTTAACCATTCATCTGGCAGTGGTTC
TTGACCCGGTTTGGCAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCATTTCTCATTTGG
TGGCCCTCATGGAGAGTAACCTCATATTACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGC
TGCTTCTTACTACCCTGGTCCATGCTGCCTGATGTCTTACCAAGTTTGCCTTGGATGTCCTGG
CATGGAACCGAGCCCATCTTCTCTCTCTATGCTTCTTACCAAGTTTGCCTTGGATGTCCTGG
GCATTTCTACCCTCAGTCTGGACTTGGCAGGGTACCAGACCCGCTGGCTGCTCGCAGCCGGAACGTGCAA
GTTTACACTGAACATGCTCGTGACCATGGCTCCCATAGTTCTCATCCTGCTGGGCCTGCTGCTCTTCAA
ATGTACCCATTGATGAGGAGAGGCGGGCAGAAATAAGAAGGCCCTGCAGGCACTGAGGGACGAGGCCA
GCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCCTCTAG
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_032793 unedited

```

GGTTCAAATTTTGAATACGACTCACTTATAGGGCGGCCGGAATTCGCACCAGGCCGGC
TTGGCTAGCGCGCGCGCCGCTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGC
GGCCTGCGGGGCAGAGGAGCATCCCGTCTACCAGGTCCAAGCGGCGTGGCCCGGGGTC
ATGGCCAAAGGAGAAGGCGCCGAGAGCGGCTCCGCGGCGGGGCTGCTACCCACCAGCATC
CTCCAAAGCACTGAACGCCCGCCAGGTGAAGAAAGAACCGAAAAAGAAGAAACAACAG
TTGTCTGTTTGAACAAGCTTTGCTATGCACTTGGGGGAGCCCCCTACCAGGTGACGGGC
TGTGCCCTGGGTTTCTTCTTCTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCCCTTTC
TCTGCCTCCATCATCCTGTTTGTGGGCCGAGCCTGGGATGCCATCACAGACCCCTGGTG
GGCCTCTGCATCAGCAAATCCCCCTGGACCTGCCTGGGTGCGCTTATGCCCTGGATCATC
TTCTCCACGCCCTGGCCGTCATTGCCTACTTCTCATCTGGTTCGTGCCGACTTCCCA
CACGGCCAGACCTATTGGTACCTGCTTTTCTATTGCCTCTTTGAAACAATGGTCACGTGT
TTCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCACCGAGCAGACTGAGCGGGAT
TCTGCCACCGCTATCGGATGACTGTGGAAGTGTGGGCACAGTGTGGGCACGGCGATC
CAGGGACANATCGTGGGCCAAGCAGACACGCCTTGNTTNNCAGNACCTCATAGCTCTACA
GTAGCTTACAAGTGCCAACCATAACATGGCACCACCTCACACAGGAAACGCANAAGG
CATACCTGCTGGCAGCGNGGTCAT
    
```



RefSeq ORF: 1593 bp

Locus ID: 84879

UniProt ID: [Q8NA29](#)

Cytogenetics: 1p34.2

Protein Families: Transmembrane

**Gene Summary:** The protein encoded by this gene is a transmembrane protein and sodium-dependent lysophosphatidylcholine transporter. The encoded protein is involved in the establishment of the blood-brain barrier and is required for brain growth and function. Defects in this gene are a cause of a progressive microcephaly syndrome. [provided by RefSeq, Mar 2017]  
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.