

## Product datasheet for **SC336431**

### MFSD2A (NM\_001287809) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MFSD2A (NM_001287809) Human Untagged Clone
Tag:	Tag Free
Symbol:	MFSD2A
Synonyms:	MCPH15; MFSD2; NEDMISBA; NLS1; SLC59A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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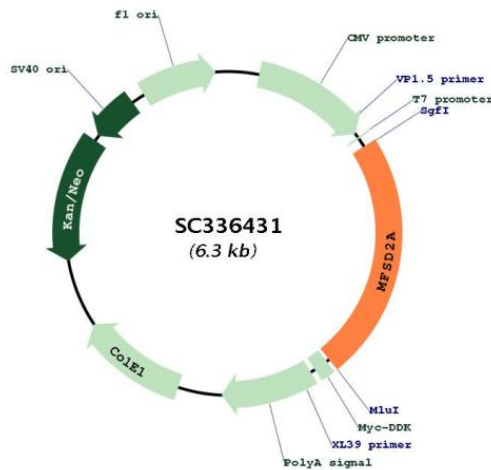
**Fully Sequenced ORF:** >SC336431 representing NM\_001287809.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAAAGGAGAAGGGCGCCGAGAGCGGCTCCGCGCGGGGCTGCTACCCACCAGCATCCTCCAAAGC
ACTGAACGCCCGCCAGGTGAAGATCTACCTATTGGATGTGGCTCAGGTGGGCCCTTCTCTGCCTCC
ATCATCCTGTTTGTGGCCGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCCTCTGCATCAGCAAA
TCCCCCTGGACCTGCCTGGGTCGCCTTATGCCCTGGATCATCTTCTCCACGCCCTTGCCCGTCAATTGCC
TACTTCTCATCTGGTTCGTGCCGACTTCCCACACGGCCAGACCTATTGGTACCTGCTTTTCTATTGC
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CAGACTGAGCGGGATTCTGCCACCGCCTATCGGATGACTGTGGAAGTGTGGGCACAGTGTGGGCACG
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GCTTCACAAAGTGCCAAACATACACATGGCACCACCTCACACAGGAAACGGCATACCTGCTGGCAGCG
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CCCTATGAAGCCAGCAGTCTGAGCCAATCGCCTACTTCCGGGGCTACGGCTGGTCATGAGCCACGGC
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GCTCCCATAGTTCTCATCTGCTGGGCCTGCTGCTCTTCAAATGTACCCATTGATGAGGAGAGCGCG
CGGCAGAATAAGAAGGCCCTGCAGGCACTGAGGGACGAGGCCAGCAGCTCTGGCTGCTCAGAAACAGAC
TCCACAGAGCTGGCTAGCATCCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001287809

<b>Insert Size:</b>	1476 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001287809.1</a>
<b>RefSeq Size:</b>	2075 bp
<b>RefSeq ORF:</b>	1476 bp
<b>Locus ID:</b>	84879
<b>UniProt ID:</b>	<a href="#">Q8NA29</a>
<b>Cytogenetics:</b>	1p34.2
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	54.3 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (4) is shorter, compared to isoform 1.</p>