

## Product datasheet for **MC200586**

### Fh1 (NM\_010209) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fh1 (NM\_010209) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fh1  
**Synonyms:** Fh; Fh-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC006048 sequence for NM\_010209  
GCACCATGTACCGCGCACTCCGTCTCCTCGCGCGCTCGCGTCGCCTCCTGCGGGTCCGTCGCCGGTGC  
TGCAGTGTCTGGGAAGCGACCACCTCCCGCGGTGTGCTCCGAACGTCGCGCGAATGGCAAGCCAAAAT  
TCCTTCCGTGTAGAGTTCGACACCTTTGGTGAATTGAAGGTTCCAACCGATAAGTATTATGGTGCTCAGA  
CCGTAAGATCTACGATGAACTTTAAGATTGGAGGTGCTACAGAACGTATGCCAATCCCAGTCATTCAAGC  
TTTCGGCATCTTGAAGCGAGCTGCTGCTGAAGTAAACCAGGAGTATGGTCTCGATCCAAAGATTGCTAGT  
GCAATAATGAAGGCCGAGATGAGGTAGCTGAAGTAAATTAATGATCACTTTCCTCTGGTGGTTTGGC  
AGACTGGATCAGGAACCCAGACAAACATGAATGTAATGAAGTCATTAGCAACAGAGCAATTGAAATGTT  
AGGAGGTGAACCTGGCAGCAAGAAGCCTGTGCACCCCAATGATCATGTTAACAAAAGCCAGAGCTCGAAT  
GACACCTTCCCACAGCAATGCATATTGCTGCTGCAGTGAAGTTCACAAGTCTGTTGCCAGGGTTAC  
AGAAGCTCCATGATGCTCTCAGTGCAAAATCCAAAGATTTGCGCAGGTCATCAAAATTTGGCGAACTCA  
CACGCAGGACGCTGTCCCTCTTACTCTTGGACAGGAATTCAGTGGTTACGTTTCAGCAAGTCCAGTATGCG  
ATGGTGAGAATAAAAGCCGCCATGCCAAGAATCTACGAGCTCGCTGCTGGAGGCACTGCTGTGGGACGG  
GGTTAAACACCAGGATCGGCTTCGCAGAAAAGGTGGCCGCAAAAGTAGCAGCACTCACAGTTTGCCTTT  
TGTCAGTGCCTCGAATAAATTTGAAGCTTAGCTGCTCATGATGCTCTGGTTGAGCTTAGTGAGCCATG  
AACACTGCCCGCTGCAGTCTAATGAAGTAGCGAATGATATTCGTTCTCTGGTCTGGTCTCGGTCAG  
GTTTGGGAGAGCTGATCTTGCTGAAAACGAGCCAGGGAGCAGCATATGCCAGGAAAGGTGAACCTTAC  
TCAGTGTGAAGCGATGACCATGGTTGCAGCCCAAGTCATGGGGAATCACGTTGCTGTTACTGTTGGAGGC  
AGCAATGGACATTTTGAAGTGAATGTGTTTAAACCAATGATGATTAAGAATGTGTTGCACTCAGCGAGGC  
TACTGGGAGATGCTTTCAGTGTCTTACAGAAAACACTGTGTGGTCCGGATCCAGGCCAACACAGAGCGGAT  
CAACAAGTAATGAATGAGTCTTTAATGTTGGTACAGCTCTTAATCCACATATAGGGTATGACAAAGCA  
GCAAAGATTGCCAAGACTGCGCACAAAGACGGATCAACCTTAAAGGAAACGGCTATTGAAGTTGGCTATC  
TCACAGCAGAGCAGTTTGTGAGTGGGTGAAACCAAGGACATGCTGGGTCCAAAGTGACTTCAATAAAT  
TTATATTTAAAATAAACTTAAGAAATTTACAAAACAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_010209
<b>Insert Size:</b>	1524 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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="#">BC006048</a> , <a href="#">AAH06048</a>
<b>RefSeq Size:</b>	1588 bp
<b>RefSeq ORF:</b>	1524 bp
<b>Locus ID:</b>	14194
<b>UniProt ID:</b>	<a href="#">P97807</a>
<b>Cytogenetics:</b>	1 H3
<b>Gene Summary:</b>	Catalyzes the reversible stereospecific interconversion of fumarate to L-malate. [UniProtKB/Swiss-Prot Function]