

## Product datasheet for **MC226884**

### Hfm1 (NM\_001252516) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hfm1 (NM_001252516) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hfm1
Synonyms:	A330009G12Rik; Gm1046; Mer3; Sec63d1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226884 representing NM_001252516 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAACTGAAAACAAGAACGACGCTGCAACAGGATCCTTCTGCACAGTTTATTGGGAGAGCTTGATTG  
CAGAGGCGAAAAGACTTCGAGCCGAGAAGCTGGTCTGCTTTTATAGGCCTAGGAGAGGGAAAGAAAGAT  
GCCAAGAATGTTAACATCAAACCTGAAGATCATTAAATGAAGACACAAATTGTATTTACCAACACAAAAA  
ATCCATTTTTCTATAATGTACATGAACAGGATTACCTAAATTTAGGAGGATCAAATAACAATGACATGT  
CCCATGTAGCTGGGAAGCTGATGTATGGTTCTTCTCAGAAATATAAAAAATCACATGGGTGCTAAGAGTCC  
ATCTGCAAGGAGTAGTCCTGGTGATACAAAATTACATGATGTGGCAGAAGACAGACAGGGCACATCAGCA  
TTCAAAAAAGGCCAGTAACTTACCCAAACGAAAATAAGCAAAGAGAATGCATGGACGTGTAGCAATA  
GTAAGCAGAAAACGTCAGTATTCTACAAACAAATTCAAAGCAAATGATGCTTTTTCTGCTTCTGGAATTGG  
AAAAGACATATTCAAAGCACCATCATTTCTGCTGCATCTCAGCCTCATGATTTCAAGGAATAACCCCA  
AATGGCTTAGGTTCTTTGAAAGCTGTCACGAAATCCCGGCAAAATTTAGAAATATTTCAAAGAATTCC  
CTTACTCAACTATATACAATCCAAAGCCTTTGATGATCTTTTACACAGATAGGAATTTGTGATTTG  
TGCCCCACTGGTTCTGGGAAAAGCTGTAGTGTTGAGCTAGCGATAACAAGATTGTTAATGGAAGTACCA  
TTGCCATGGCTAAACATGAAGATTGTTTACAGAGAAGTGGGACAGTGTGAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001252516
Insert Size:	894 bp



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<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001252516.1</a></u> , <u><a href="#">NP_001239445.1</a></u>
<b>RefSeq Size:</b>	1438 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	330149
<b>Cytogenetics:</b>	5 E5
<b>Gene Summary:</b>	<p>Required for crossover formation and complete synapsis of homologous chromosomes during meiosis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has multiple differences compared to variant 1. These differences result in an isoform (2) with shorter and distinct N- and C-termini and a translation initiation site at a downstream start codon, compared to variant 1.</p>