

## Product datasheet for MC208662

### Hfe (NM\_010424) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hfe (NM_010424) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hfe
Synonyms:	MR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208662 representing NM_010424 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCTATCAGCTGGGCTCCCTGTGCGGCCGCTGCTGCTGCTGCTACTGCTGTGGTCCGTGGCCC  
CGCAGGCACTGCCACCGCTTACATTCTAAGATACCTCTTCATGGGTGCCTCAGAGCCAGACCTCGG  
GCTGCCTTTGTTGAGGCTAGGGCTATGTGGATGACCAGCTCTTTGTCTACAATCATGAGAGTCGC  
CGTGCTGAGCCCAGGGCCCGTGGATCTTGAGCAAACCTCAAGCCAGCTGTGGTGCATCTGAGTCAGA  
GCCTGAAAGGGTGGGACTACATGTTTCATAGTAGACTTCTGGACCATCATGGCAACTATAACCACAGTAA  
GGTCACGAAGTTGGGAGTGGTGTCCGAGTCCACATCCTGCAGGTGGTCCTAGGCTGTGAGGTGCATGAA  
GACAACAGTACCAGCGGCTTCTGGAGATATGGTTATGACGGGCAAGATCACCTGGAATTCTGCCCAAGA  
CACTAACTGGAGCGCAGCCGAGCCAGGGCCCTGGGCCACCAAGGTGGAATGGGACGAGCACAAGATCCG  
TGCCAAACAGAACAGGGACTACCTGGAGAAGGACTGCCCGAGCAGCTGAAACGGCTCCTGGAGCTGGGG  
AGAGGCGTTCTGGGACAGCAAGTGCCTACTTTGGTGAAGTGACTCGCCACTGGGCTCTACGGGACCT  
CTTAAGGTGTCAGGCTCTGGACTTCTCCCCAGAACATCACTATGAGGTGGTTGAAGGACAACCAACC  
ACTGGATGCCAAAGATGTCAACCCGAGAAGGTGCTACCTAACGGGGATGAGACCTATCAAGGCTGGCTG  
ACATTGGCCGTGGCCCCGGGGACGAGACAAGGTTACCTGTCAAGTGGAGCACCAGGCTGGACCAGC  
CTCTACTGCCTCTTGGGAGCCCTTGAATCTCAGGCCATGATTATCGGAATCATCAGTGGAGTCACCGT  
CTGTGCCATCTTCTGGTTGAATTCTGTTCTAATCTTAAGGAAAAGGAAGGCTTCAGGAGGAACCATG  
GGTGGCTATGCTTAACAGACTGTGAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja3798\\_b04.zip](https://cdn.origene.com/chromatograms/ja3798_b04.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_010424
<b>Insert Size:</b>	1080 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="#">NM_010424.4</a> , <a href="#">NP_034554.2</a>
<b>RefSeq Size:</b>	1722 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	15216
<b>UniProt ID:</b>	<a href="#">P70387</a>
<b>Cytogenetics:</b>	13 9.88 cM
<b>Gene Summary:</b>	<p>Binds to transferrin receptor (TFR) and reduces its affinity for iron-loaded transferrin. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>