

Product datasheet for **MC210967**

Hfe2 (NM_027126) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hfe2 (NM_027126) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hfe2
Synonyms:	2310035L15Rik; 5230400G09Rik; AI414844; AI789733; DL-M; hemojuvelin; HJV; Rgmc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC210967 representing NM_027126
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCCAGTCCCCTAGTCCCCGGTCCCCACGGCAGCCCTCCAACCTAAGCACCCCTCACTCTCCTGC
TGCTCCTCTGTGGACAGGCTCACTCCCAGTGCAAGATCCTCCGCTGCAATGCCGAGTATGTCTCGTCCAC
TCTGAGTCTTCGGGAGGTGGCTCACCGGACACGCCCGCTGGAGGCGGCCGTGGTGGGCTGGCCTCAGGT
GGCTTGTGTGCGGCCCTGCGCTCTACGCTCTCTGCACGCGGCGCACGGCCCGCACCTGCCGCGGGGACC
TTGCTTTCCACTCTGCGGTGCATGGCATAGAGGACCTGATGATCCAGCACAACTGCTCACGCCAGGGTCC
CACGGCCCGCCCGGCCGCGGCCCGCCCTGCCGCGGGCCGGCCAGCGCCCTGACCCAGATCCC
TGTGACTATGAGGCCCGTTTTCCAGGCTGCACGGTCGAGCCCGGGCTTCTTGATTGCGCATCCTTTG
GAGATCCCATGTGCGCAGTTTCCACAACCAATTTACACATGCCGTGTCCAAGGAGCTTGCCCTTGT
AGATAACGACTTCTCTTTGTCCAGGCCACCAGCTCCCCGGTTTGTGCGGAGCCAACGCTACCACCATC
CGGAAGATCACTATCATATTTAAAAACATGCAGGAATGCATTGACCAGAAAGTCTACCAGGCTGAGGTGG
ACAATCTTCTGCAGCCTTTGAAGATGGTTCTATCAATGGGGGCGACCGACTGGGGGCTCGAGTTTGT
CATTCAAACCTGCTAACCTTGGGAGTCACGTGGAGATTCGAGCTGCCTACATTGGAACAATATCATCATT
CGACAGACAGCTGGGAGCTCTCCTTCTCCATCAGGGTAGCAGAGGATGTGGCGCGGGCCTTCTCCGAG
AGCAGGACCTACAGCTGTGTGTTGGGGATGCCCTCCGAGCCAGCGACTCTCTCGCTCAGAGCGCAACCG
CCGTGGGGCTATAGCCATAGATACTGCCAGAAGGCTGTGTAAGGAAGGGCTTCCGGTTGAAGATGCCTAC
TTCCAATCCTGCGTCTTTGATGTTTCAGTCTCCGGTGACCCCACTTTACTGTGGCAGCTCAGACAGCTC
TGGACGATGCCGAATCTTCTTGACGGATTTAGAGAATTACATCTCTTCCCTCAGATCGGGGGCCTCC
CCTCTCTCTGCCATCTGCCTAGTCCCGCTTCTTTCGGCCCTCTTGTCTGTGGCTTTGCTTCAGTAAG
TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1553_a10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_027126

Insert Size: 1263 bp

OTI Disclaimer: 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).

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_027126.4](#), [NP_081402.3](#)

RefSeq Size: 2021 bp

RefSeq ORF: 1263 bp

Locus ID: 69585

UniProt ID: [Q7TQ32](#)

Cytogenetics: 3 F2.1

Gene Summary: Acts as a bone morphogenetic protein (BMP) coreceptor. Through enhancement of BMP signaling regulates hepcidin (HAMP) expression and regulates iron homeostasis.
[UniProtKB/Swiss-Prot Function]