

## Product datasheet for MR226289

### Hfe2 (NM\_027126) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hfe2 (NM_027126) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>MR226289 representing NM_027126 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCAGTCCCCTAGTCCCCGGTCCCCCACGGCAGCCCTCCAACCTAAGCACCCCTCACTCTCCTGC  
TGCTCCTCTGTGGACAGGCTCACTCCCAGTGCAAGATCCTCCGCTGCAATGCCGAGTATGTCTCGTCCAC  
TCTGAGTCTTCGGGGAGGTGGCTCACCGGACACGCCGCTGGAGGCGGCCGTGGTGGGCTGGCCTCAGGT  
GGCTTGTGTGCGCCCTGCGTCTCTACGCTCTCTGCACGCGCGCACGGCCCGCACCTGCCGCGGGGACC  
TTGCTTTCCACTCTGCGGTGCATGGCATAGAGGACCTGATGATCCAGCACAACTGCTCACGCCAGGGTCC  
CACGGCCCCGCCCGGGCCCGGGCCCGCCCTGCCCGGGCCGGGCCAGCGCCCTGACCCAGATCCC  
TGTGACTATGAGGCCCGTTCCTCCAGGCTGCACGGTGCAGCCCCGGGCTTCTTGCAATGGCATCCTTTG  
GAGATCCCATGTGCGCAGTTTCCACAACCAATTTACACATGCCGTGTCCAAGGAGCTTGGCCCTTGCT  
AGATAACGACTTCCTCTTTGTCCAGGCCACCAGCTCCCCGGTTCGTCGGGAGCCAACGCTACCACCATC  
CGGAAGATCACTATCATATTTAAAAACATGCAGGAATGCATTGACCAGAAAGTCTACCAGGCTGAGGTGG  
ACAATCTTCTGCAGCCTTTGAAGATGGTTCTATCAATGGGGGCGACCGACCTGGGGGCTCGAGTTTGT  
CATTCAAACCTGCTAACCTTGGGAGTCACGTGGAGATTCGAGCTGCCTACATTGGAACAACATCATCATT  
CGACAGACAGCTGGGCAGCTCTCCTTCCATCAGGGTAGCAGAGGATGTGGCGCGGGCCTTCTCCGAG  
AGCAGGACCTACAGCTGTGTGTTGGGGATGCCCTCCGAGCCAGCGACTCTCTCGCTCAGAGCGCAACCG  
CCGTGGGGCTATAGCCATAGATACTGCCAGAAGGCTGTGTAAGGAAGGGCTTCCGGTTGAAGATGCCTAC  
TTCCAATCCTGCGTCTTTGATGTTTCAGTCTCCGGTGACCCCACTTTACTGTGGCAGCTCAGACAGCTC  
TGGACGATGCCCGAATCTTCTTGACGGATTTAGAGAACTTACATCTCTTTCCCTCAGATGCCGGGCTCC  
CCTCTCTCTGCCATCTGCCTAGTCCCGCTTCTTTCGGCCCTCTTTGTTCTGTGGCTTGGCTTTCAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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

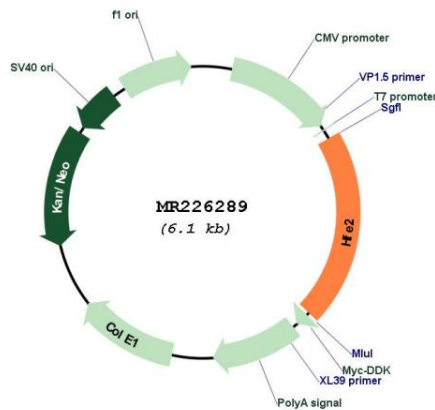
**UniProt ID:** [Q7TQ32](#)

**Cytogenetics:** 3 F2.1

**MW:** 45.3 kDa

**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]

**Product images:**



Circular map for MR226289