

Product datasheet for SC208272

Repulsive Guidance Molecule C (HFE2) (NM_145277) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Repulsive Guidance Molecule C (HFE2) (NM_145277) Human 3' UTR Clone
Symbol:	Repulsive Guidance Molecule C
Synonyms:	HFE2; HFE2A; JH; RGMC
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_145277
Insert Size:	637 bp
Insert Sequence:	>SC208272 3'UTR clone of NM_145277 The sequence shown below is from the reference sequence of NM_145277. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCTTTGTTCTGTGGCTTTGCATTCAGTAAGGGGACCATCAGTCCCATTACTAGTTTGGAAATGATTTG
GAGATACAGATTGGCATAGAAGAATGTAAGAATCATTAAAGGAAGCAGGGCCTAGGAGACACGTGAAA
CAATGACATTATCCAGAGTCAGATGAGGCTGCAGTCCAGGTTGAAATTATCACAGAATAAGGATTCTG
GGCAAGTTACTGCATTCGGATCTCTGTGGGGCTCTCACCAATTTTTCCAGCCTCATTATAGTAAA
CAAATTGTTCTAATCCATTTACTGCAGATTTACCCCTTAAAGTTTAGAGGTCATGAAGGTTTTAATGA
TCAGTAAAGATTTAAGGGTTGAGATTTTAAAGAGGCAAGAGCTGAAAGCAGAAGACATGATCATTAGCC
ATAAGAACTCAAAGGAGGAAGACATAATTAGGGAAAGAAGTCTATTTGATGAATATGTGTGTGAAGG
TATGTTCTGCTTCTTGATTCAAAAATGAAGCAGGCATTGTCTAGCTCTTAGGTGAAGGGAGTCTCTGC
TTTTGAAGAAATGGCACAGGTAGGACAGAAGTATCATCCCTACCCCTAACTAATCTGTTATTAAGCTA
CAAATTCCTCACACCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_145277.5
Summary:	The product of this gene is involved in iron metabolism. It may be a component of the signaling pathway which activates hepcidin or it may act as a modulator of hepcidin expression. It could also represent the cellular receptor for hepcidin. Two uORFs in the 5' UTR negatively regulate the expression and activity of the encoded protein. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Defects in this gene are the cause of hemochromatosis type 2A, also called juvenile hemochromatosis (JH). JH is an early-onset autosomal recessive disorder due to severe iron overload resulting in hypogonadotrophic hypogonadism, hepatic fibrosis or cirrhosis and cardiomyopathy, occurring typically before age of 30. [provided by RefSeq, Oct 2015]
Locus ID:	148738
MW:	24.5