

Product datasheet for RC220860L3

HFE (NM_139011) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HFE (NM_139011) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: HFE

Synonyms: HFE1; HH; HLA-H; MVCD7; TFQTL2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220860).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_139011

ORF Size: 228 bp



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HFE (NM_139011) Human Tagged Lenti ORF Clone - RC220860L3

OTI Disclaimer: 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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 139011.2</u>

RefSeq Size: 1406 bp
RefSeq ORF: 231 bp
Locus ID: 3077

UniProt ID: Q30201

Cytogenetics: 6p22.2

Protein Families: Druggable Genome, Transmembrane

MW: 8.2 kDa

Gene Summary: The protein encoded by this gene is a membrane protein that is similar to MHC class I-type

proteins and associates with beta2-microglobulin (beta2M). It is thought that this protein functions to regulate iron absorption by regulating the interaction of the transferrin receptor with transferrin. The iron storage disorder, hereditary haemochromatosis, is a recessive genetic disorder that results from defects in this gene. At least nine alternatively spliced variants have been described for this gene. Additional variants have been found but their full-

length nature has not been determined. [provided by RefSeq, Jul 2008]