

## Recombinant Human HFE2 protein(Met1-Ser399), His-tagged

**Cat. No.** HFE2-7288H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HFE2 isoform a (Q6ZVN8-1) (Met 1-Ser 399) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met1-Ser399
<b>Form</b>	Lyophilized from sterile PBS, 500mM NaCl, pH 7.0, 10% gly Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The secreted recombinant human HFE2 consists of 374 amino acids and predicts a molecular mass of 40 kDa. As a result of intracellular cleavage, the apparent molecular mass of the protein is approximately 20, 34 and 44 KDa in SDS-PAGE under reducing conditions, corresponding to the N-terminal, C-terminal portions and the full-length respectively.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** HFE2 hemochromatosis type 2 (juvenile) [ Homo sapiens ]

**Official Symbol** HFE2

**Synonyms** HFE2; hemochromatosis type 2 (juvenile); hemojuvelin; haemojuvelin; HFE2A; HJV; JH; repulsive guidance molecule c; RGMC; RGM domain family member C; hemochromatosis type 2 protein; MGC23953;

**Gene ID** 148738

**mRNA Refseq** NM\_145277

**Protein Refseq** NP\_660320

**MIM** 608374

**UniProt ID** Q6ZVN8

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