



Recombinant Human HFE Protein Product Manual

1. Product Basic Information

Product No.: REP07107

Protein Name: High Fe (HFE)

Aliases: HH; HFE1; HLA-MVCD7; TFQTL2; high Fe; homeostatic iron regulator; MHC class I-like protein HFE; hereditary hemochromatosis protein; hereditary hemochromatosis protein HLA-H

UniProt ID: Q30201

UniProt Link: <https://www.uniprot.org/uniprotkb/Q30201/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (23-306aa)

Molecular Weight: 40.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (23-306aa)

RLLRSHSLHYLFMGASEQDLGLSLFEALGYVDDQLFVFYDHESRRVEPRTPWVSS
RISSQMWLQLSQSLKGWDHMFVDFWTIMENHNHSHKESHTLQVILGCEMQEDNST
EGYWKYGYDGDHLEFCPDTLDWRAAEPRWPTKLEWERHKIRARQNRAYLERD
CPAQLQQLLELGRGVLDQQVPPLVKVTHHVTSSVTTLRCRALNYYPQNITMKWLKD
KQPMDAKEFEPKDVLPNGDGTYYQGWITLAVPPGEEQRYTCQVEHPGLDQPLIVW
EPSPSGTLV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human HFE partial protein (23-306aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. HFE, also known as HH or HFE1 or HLA-MVCD7, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.