

## 32-3954: HFE Recombinant Protein

**Alternative Name :** Hereditary hemochromatosis protein,HLA-H,HFE,HLAH,HH,HFE1,MVCD7,TFQTL2.

### Description

Source : Escherichia Coli. HFE Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 308 amino acids (23-306 a.a) and having a molecular mass of 35.7kDa.HFE is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Hemochromatosis (HFE) is a member of the MHC class I family. The Hemochromatosis protein contains 1 Ig-like C1-type (immunoglobulin-like) domain. HFE is a membrane protein, which is similar to MHC class I-type proteins and associates with beta-2 microglobulin (beta2M). It is assumed that the HFE protein acts to regulate iron absorption by regulating the interaction of the transferrin receptor (TFR) with transferrin. HFE binds to transferrin receptor (TFR) and reduces its affinity for iron-loaded transferrin.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	HFE protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MGSMLLRSH SLHYLFMGAS EQDLGLSLFE ALGYVDDQLF VFYDHESRRV EPRTPWVSSR ISSQMWLQLS QSLKGWDHMF TVDFWTIMEN HNHSKESHTL QVILGCEMQE DNSTEGYWKY GYDGDHLEF CPDLDWRAA EPRAWPTKLE WERHKIRARQ NRAYLERDCP AQLQQLLELG RGVLDQQVPP LVKVTHHVTS SVTTLRCRAL NYYPQNITMK WLKDKQPMDA KEFEPKDVLN NGDGTQGW I TLAVPPGEEQ RYTCQVEHPG LDQPLIVIWE PPSPGTLV.