9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HFE Human

Hemochromatosis Human Recombinant
RCP1013

Product Overview

Name	HFE Human
Description	
Hemochromatosis Human Recombinant	
Accession (Primary)	Q30201
Synonyms	
Hereditary hemochromatosis protein, HLA-H, HFE, HLAH, HH, HFE1, MVCD7, TFQTL2.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
HFE protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSM RLLRSH SLHYLFMGAS EQDLGLSLFE ALGYVDDQLF VFYDHESRRV EPRTPWVSSR ISSQMWLQLS QSLKGWDHMF TVDFWTIMEN HNHSKESHTL QVILGCEMQE DNSTEGYWKY GYDGQDHLEF CPDTLDWRAA EPRAWPTKLE WERHKIRARQ NRAYLERDCP AQLQQLLELG RGVLDQQVPP LVKVTHHVTS SVTTLRCRAL NYYPQNITMK WLKDKQPMDA KEFEPKDVLP NGDGTYQGWI TLAVPPGEEQ	

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RYTCQVEHPG LDQPLIVIWE PSPSGTLV.

Precautions

HFE Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q30201)