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HFE, 23-306aa, Human, His tag, E.coli

产品货号: TP02445

第三版

别名: Hereditary hemochromatosis protein, HFE1, HH, HLA-H, MVCD7, TFQTL2

描述: HFE, also known as HLA-H, belongs to the MHC class I family. This protein contains 1 Ig-like C1-type (immunoglobulin-like) domain. HFE is a membrane protein that is similar to MHC class I-type proteins and associates with beta-2 microglobulin (beta2M). It is thought that this protein functions to regulate iron absorption by regulating the interaction of the transferrin receptor (TFR) with transferrin. It binds to transferrin receptor (TFR) and reduces its affinity for iron-loaded transferrin. Recombinant human HFE protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量: 35.7kDa (308aa)

序列:

MGSSHHHHHHSSGLVPRGSHMGSMRLLRSHSLHYLFMGASEQDLGLSLFEALGYVDDQLFVFDHESRRVEPRTWPVSS  
RISSQMWLQLSQSLKGDHMFVDFWTIMENHNHSHKESHTLQVILGCEMQEDNSTEGYWKYGYDGGDHLFCPDTLD  
WRAAEPRAWPTKLEWERHKIRARQNRAYLERDCPAQLQQLLELGRGVLDQQVPPLVKVTHHVTSSVTTLRCRALNYYP  
QNITMKWLKDKQPMDAKEFEPKDVLPNGDGTYYQGWITLAVPPGEEQRYTCQVEHPGLDQPLIVWEPSPSGTLV

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.