

AR50693PU-N

Human HFE / HLAH (23-306, His-tag) - Purified

Alternate names:	Hereditary hemochromatosis protein
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q30201
NCBI:	NP_000401
GeneID:	3077
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Description:	Recombinant human HFE protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SGLVPRGSH MGSMRLLRSH SLHYLFMGAS EQDLGLSLFE ALGYVDDQLF VFYDHESRRV EPRTPWVSSR ISSQMWLQLS QSLKGWDHMF TVDFWTIMEN HNHSKESHTL QVILGCEMQE DNSTEGYWKY GYDGDHLEF CPDTLDWRAA EPRAWPTKLE WERHKIRARQ NRAYLERDCP AQLQQLLELG RGVLDQQVPP LVKVTHHVTS SVTTLCRAL NYYPQNITMK WLKDKQPMDA KEFEPKDVLP NGDGTQGW I TLAVPPGEEQ RYTCQVEHPG LDQPLIVIWE PSPSGTLV Molecular weight: 35.7 kDa (308aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Feder J.N., et al. (1998) Proc. Natl. Acad. Sci. U.S.A. 95:1472-1477 West, A P, et al. (2000) J. Biol. Chem. (UNITED STATES) 275 (49): 38135-8.

Pictures:

