



Recombinant Human Hemojuvelin (HFE2)

Product Code	CSB-BP765090HU
Abbreviation	HFE2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6ZVN8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	QCKIL RCNAEYVSST LSLRGGGSSG ALRGGGGGGR GGGVGSGLC RALRSYALCT RRTARTCRGD LAFHSAVHGI EDLMIQHNC S RQGPTAPPPP RGPALPGAGS GLPAPDPCDY EGRFSRLHGR PPGFLHCASF GDPHVRSFHH HFHTCRVQGA WPLLDNDFLF VQATSSPMAL GANATATRKL TIFKNMQEC IDQKVYQAEV DNLPVAFEDG SINGGDRPGG SLSIQTANP GNHVEIQAA Y IGTTIIIRQT AGQLSFSIKV AEDVAMAFSA EQDLQLCVGG CPPSQRLSRS ERNRRGAI TI DTARRLCKEG LPVEDAYFHS CVFDVLISGD PNFTVAAQAA LEDARAFLPD LEKLHLFSPD
Source	Baculovirus
Target Names	HFE2
Protein Names	Recommended name: Hemojuvelin Alternative name(s): Hemochromatosis type 2 protein RGM domain family member C
Expression Region	36-400
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The product of this gene is involved in iron metabolism. It may be a component of the signaling pathway which activates hepcidin or it may act as a modulator of hepcidin expression. It could also represent the cellular receptor for hepcidin. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Defects in this gene are the cause of hemochromatosis type 2A, also called juvenile hemochromatosis (JH). JH is an early-onset autosomal recessive disorder due to severe iron overload resulting in hypogonadotrophic hypogonadism, hepatic fibrosis or cirrhosis and cardiomyopathy, occurring typically before age of 30.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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