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Recombinant Human Hemojuvelin / HFE2 Protein (His tag)

产品货号: TP07887

第三版

别名:HFE2A;HJV;JH;RGMC

**描述:** Hemojuvelin, also known as HFE2, is a membrane-bound and soluble protein which belongs to the repulsive guidance molecule (RGM) family. It is known that RGMs function through Neogenin, a homologue of the Netrin receptor deleted in colon cancer. In mammals, RGM family consists of three glycoproteins which have discrete expression patterns and functions (RGM-A, RGM-B, and RGM-C). Hemojuvelin is expressed in adult and fetal liver, heart, and skeletal muscle. Hemojuvelin acts as a bone morphogenetic protein (BMP) coreceptor. Enhancement of BMP signaling regulates hepcidin (HAMP) expression and iron metabolism. It plays a key role in iron metabolism. Hemojuvelin represents the cellular receptor for hepcidin. It may be a component of the signaling pathway which activates hepcidin or it may act as a modulator of hepcidin expression. Defects in hemojuvelin are the cause of hemochromatosis type 2A, also known as juvenile hemochromatosis (JH).

**配方:** PBS

**分子量:** 40 kDa

**序列:** Met 1-Ser 399

**纯度:** > 95% by HPLC

**浓度:**

**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.