Recombinant Mouse Hjv Protein, His-tagged

Cat. No. Hjv-1624M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hjv Protein (Cys34-Asp393) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Cys34-Asp393
Description	Enables BMP binding activity and coreceptor activity. Involved in cellular iron ion homeostasis and negative regulation of transcription by RNA polymerase II. Acts upstream of or within several processes, including BMP signaling pathway; iron ion homeostasis; and negative regulation of BMP signaling pathway. Located in cell surface and extracellular space. Is expressed in several structures, including gonad; musculature; submandibular gland; trunk mesenchyme; and yolk sac. Used to study hemochromatosis type 2A. Human ortholog(s) of this gene implicated in hemochromatosis and hemochromatosis type 2A. Orthologous to human HJV (hemojuvelin BMP co-receptor).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.6 kDa Accurate Molecular Mass: 69 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Hjv hemojuvelin BMP co-receptor [Mus musculus (house mouse)]
Official Symbol	Hjv
Synonyms	Hjv; hemojuvelin BMP co-receptor; DL-M; Hfe2; Rgmc; AI414844; AI789733; hemojuvelin; 2310035L15Rik; 5230400G09Rik; hemojuvelin; RGM domain family member C; hemochromatosis type 2 (juvenile) (human homolog); hemochromatosis type 2 protein homolog; hemojuvelin BMP coreceptor; repulsive guidance molecule C
Gene ID	69585
mRNA Refseq	NM_027126
Protein Refseq	NP_081402

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UniProt ID	Q7TQ32

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