

Recombinant Human Hemochromatosis Type 2 (Juvenile), FLAG-tagged

Cat. No. HFE2-2419H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RGMC (aa 36-398) produced in HEK 293 cells is fused at the N-terminus to a linker peptide (8 aa) and a FLAG-tag.
Species	Human
Source	Human Cells
ProteinLength	36-398 a.a.
Description	The RGMC (also called Hemojuvelin) is an GPI-anchored protein involved in the iron metabolism through regulation of hepcidin expression. Mutations in the gene encoding RGMC cause severe iron overload (juvenile hemochromatosis /hemochromatosis type 2A). The protein binds to neogenin and acts as co-receptor of the bone morphogenetic protein. The mature RGMc protein is proteolytically processed and glycosylated.
Source/Host	HEK 293 cells.
Concentration	0.1mg/ml after reconstitution.
Purity	≥95% (SDS-PAGE).
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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Reconstitution	Reconstitute with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
Short Term Storage	-20°C.
Formulation	Lyophilized. Contains PBS.
Long Term Storage	-20°C.
Use/Stability	Stable for at least 6 months after receipt when stored at -20°C.
Handling	After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	HFE2 hemochromatosis type 2 (juvenile) [Homo sapiens]
Synonyms	hemochromatosis type 2 (juvenile); JH; HJV; RGM C; HFE2A; MGC23953; HFE2; hemochromatosis type 2 protein; Hemochromatosis type 2 protein; RGM domain family, member C; LEAP1; HAMP; HEPC
Gene ID	148738
mRNA Refseq	NM_145277
Protein Refseq	NP_660320
MIM	608374
UniProt ID	Q6ZVN8

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Chromosome	1q21.1
Location	

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