

Recombinant Human GIF, His-tagged

Cat. No. GIF-27373TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Human recombinant full length Intrinsic Factor produced in baculovirus, fused to a hexa-histidine at the C terminal, 55,000.
Species	Human
Description	This gene is a member of the cobalamin transport protein family. It encodes a glycoprotein secreted by parietal cells of the gastric mucosa and is required for adequate absorption of vitamin B12. Vitamin B12 is necessary for erythrocyte maturation and mutations in this gene may lead to congenital pernicious anemia.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM HEPES, 100mM Sodium chloride, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Full Length	Full L.

GENE INFORMATION

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Gene Name	GIF gastric intrinsic factor (vitamin B synthesis) [Homo sapiens]
Official Symbol	GIF
Synonyms	GIF; gastric intrinsic factor (vitamin B synthesis); gastric intrinsic factor; IF; IFMH; INF; TCN3;
Gene ID	2694
mRNA Refseq	NM_005142
Protein Refseq	NP_005133
MIM	609342
Uniprot ID	P27352
Chromosome Location	11
Pathway	Vitamin digestion and absorption, organism-specific biosystem; Vitamin digestion and absorption, conserved biosystem;
Function	cobalamin binding;

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