

Recombinant Human GIF, His-tagged

Cat. No. GIF-27374TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Intrinsic Factor with a hexa-histidine tag at the C-terminus, 55kDa.
Species	Human
Source	Insect Cells
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
Molecular Weight	55.000kDa inclusive of tags
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 or -80°C. Avoid repeated freeze / thaw cycles.

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Full Length Full L.

GENE INFORMATION

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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