

Recombinant Human GIF protein, His & T7-tagged

Cat. No. GIF-7877H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GIF aa. (Leu198~Asn413 (Accession # P27352)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu198~Asn413
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.9.
Applications	SDS-PAGE; WB; ELISA; IP

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	GIF gastric intrinsic factor [Homo sapiens (human)]
Official Symbol	GIF
Synonyms	GIF; gastric intrinsic factor; IF; INF; IFMH; TCN3; gastric intrinsic factor (vitamin B synthesis); intrinsic factor
Gene ID	2694
mRNA Refseq	NM_005142.2
Protein Refseq	NP_005133.2
UniProt ID	P27352

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SDS-PAGE

