

Recombinant Full Length Human GIF Protein, GST-tagged

Cat. No. GIF-5255HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GIF full-length ORF (NP_005133.2, 1 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	417 amino acids
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. [provided by RefSeq]
Molecular Mass	71.8 kDa
AA Sequence	MAWFALYLLSLLWATAGTSTQTQSSCSVPSAQEPLVNGIQVLMENSVTSSAYPNPSI LIAMNLGAYNLKAQKLLTYQLMSSDNDLTIGQLGLTIMALTSSCRDPGDKVSILQR QMENWAPSSPNAEASAFYGPSLAILALCQKNSEATLPIAVRFAKTLLANSSPFNVDT GAMATLALTCMYNKIPVGSEEGYRSLFGQVLKDIVEKISMKIKDNGIIGDIYSTGLAMQ ALSVTPEPSKKEWNCKKTTDMILNEIKQGKFHNPMISIAQILPSLKGKTYLDVPQVTCS PDHEVQPTLPSNPGPGPTSASNITVIYTINNQLRGVELLFNETINVSVKSGSVLLVLE EAQRKNPMFKFETTMTSWGLVVSSINNIAENVNHKTYWQFLSGVTPLNEGVADYIPF NHEHITANFTQY

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; intrinsic factor;
Gene ID	2694
mRNA Refseq	NM_005142
Protein Refseq	NP_005133
MIM	609342
UniProt ID	P27352

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