

## Product datasheet for **TP701410**

### Intrinsic Factor (GIF) (NM\_005142) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human gastric intrinsic factor (vitamin B synthesis) (GIF), Ser19-End, with C-terminal His tag, secretory expressed in HEK293 cells, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	<pre> 1   STQTQSSCSV PSAQEPLVNG IQVLMENSVT SSAYPNPSIL IAMNLAGAYN LKAQKLLTYQ 61  LMSSDNNDLT IGQLGLTIMA LTSSCRDPGD KVSILQRQME NWAPSSPNAE ASAFYGPSLA 121 ILALCQKNSE ATLPiAVRFA KTLANSSPF NVDTGAMATL ALTcMYNKIP VGSEEGYRSL 181 FGQVLKDIVE KISMKIKDNG IIGDIYSTGL AMQALSVTPE PSKKEWNCKK TTDmILNEIK 241 QGKFHNPMSI AQILPSLKGK TYLDVPQVTC SPDHEVQPTL PSNPGPGPTS ASNITVIYTI 301 NNQLRGVELL FNETINVSVK SGSVLLVVLE EAQRKNPMFK FETTMTSWGL VVSSINNIAE 361 NVNHKTYWQF LSGVTPLENG VADYIPFNHE HITANFTQYG GGGSHHHHHH HHHH </pre>
<b>Tag:</b>	C-HIS
<b>Predicted MW:</b>	45.1 kDa
<b>Concentration:</b>	>50 ug/mL as determined by microplate Bradford method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	PBS, pH7.4
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005133</a>
<b>Locus ID:</b>	2694
<b>UniProt ID:</b>	<a href="#">P27352</a>
<b>Cytogenetics:</b>	11q12.1

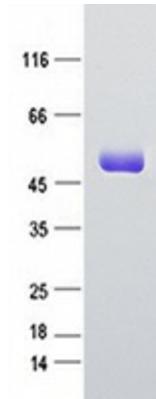


**Synonyms:** GIF; IF; IFMH; INF; TCN3

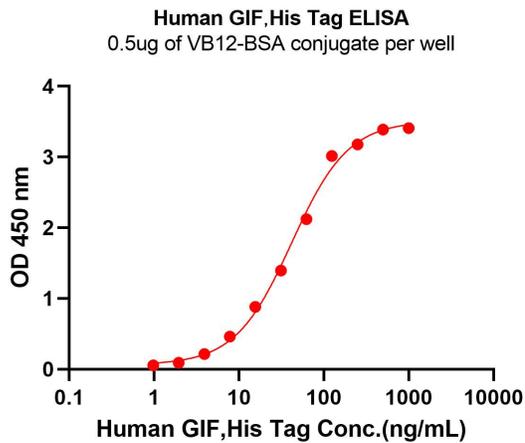
**Summary:** This gene is a member of the cobalamin transport protein family. It encodes a glycoprotein secreted by parietal cells of the gastric mucosa and is required for adequate absorption of vitamin B12. Vitamin B12 is necessary for erythrocyte maturation and mutations in this gene may lead to congenital pernicious anemia. [provided by RefSeq, Jul 2008]

**Protein Families:** Secreted Protein

**Product images:**



Coomassie blue staining of purified GIF protein (Cat #TP701410). The protein was produced from mammalian cells transfected with GIF cDNA clone (Cat #).



Immobilized VB12-BSA conjugate at 5 ug/mL (100 uL/well) can bind Human GIF, His Tag (Cat# TP701410) with a linear range of 3.91-125 ng/mL. The EC<sub>50</sub> is 20.92-62.75 ng/mL.