

## Product datasheet for TP701435

### GIF (XM\_003122682) *Sus scrofa* (Pig) Recombinant Protein

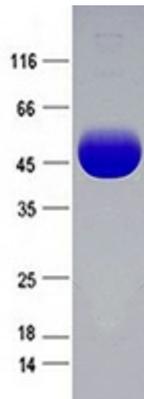
#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of <i>Sus scrofa</i> gastric intrinsic factor (GIF), Gln29-Tyr425, with C-terminal 10*His tag, secretory expressed in HEK293 cells, 50ug
<b>Species:</b>	<i>Sus scrofa</i> (Pig)
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	<pre> 1   QTRSSCSVPS AEQPLVNGIQ VLMEQSVTSS AFPNPSILIA MNLGAYNTE AQELLYKLM 61  ASNTSDLTTG QLALTIMALT SSCRDPGNRI AILQGQMENW APPSLDTHAS TFYEPSLGIL 121 TLCQNNPEKT LPLAARFAKT LLANSSPFNM DTGAMATLAL TCMYNKIPVG SEEGYRALFS 181 QVLRNTVENI SMRIQDNGII GNIYSTGLAM QALSVTPERP NKEWDCQKTM DTVLTEIKEG 241 KFHNPMIAIQ ILPSLKGKTY LDVPHVSCSP GHEVPPTLPN HPSPVPTPAP NITVIYTINN 301 QLRGVELLFN ETISVSVKRG SVLLIVLEEA QRKNPKKFE MTMTSWGPPV SSINNIAENV 361 NHRTYWQFLS GQTPLNQVA DYIPFNHEHI TANFTQYGGG GSHHHHHHHH HH </pre>
<b>Tag:</b>	C-terminal 10*His tag
<b>Predicted MW:</b>	45.3 kDa
<b>Concentration:</b>	>500 ug/mL as determined by microplate BCA method
<b>Purity:</b>	> 90% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	PBS, pH 7.4
<b>Bioactivity:</b>	Immobilized VB12-BSA conjugate at 5 ug/mL (100 uL/well) can bind Pig GIF, His Tag (Cat# TP701435) with a linear range of 3.91-125 ng/mL. The EC50 is 19.93-59.79 ng/mL.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<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="#">XP_003122730</a>
<b>Locus ID:</b>	100514273

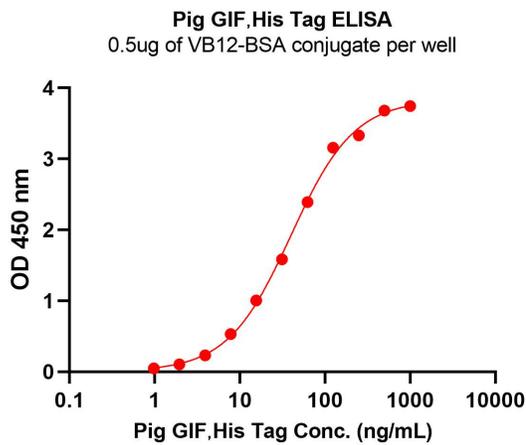


**Summary:** gastric intrinsic factor (vitamin B synthesis)

**Product images:**



Western blot image of TP701435.



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