

ARG70390 Human GIF / Gastric intrinsic factor recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

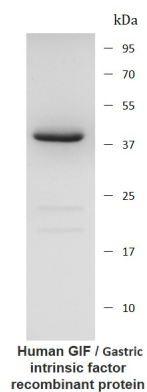
Product Description	E. coli expressed, His-tagged (C-ter) Human GIF / Gastric intrinsic factor recombinant protein
Tested Application	SDS-PAGE
Target Name	GIF / Gastric intrinsic factor
Species	Human
A.A. Sequence	Met1 - Tyr417
Expression System	E. coli
Alternate Names	CBLIF; Cobalamin Binding Intrinsic Factor; IFMH; INF; IF; TCN3; GIF; Gastric Intrinsic Factor (Vitamin B Synthesis); Gastric Intrinsic Factor; Intrinsic Factor

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CBLIF
Gene Full Name	Cobalamin Binding Intrinsic Factor
Background	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.
Function	Promotes absorption of the essential vitamin cobalamin (Cbl) in the ileum. After interaction with CUBN, the CBLIF-cobalamin complex is internalized via receptor-mediated endocytosis.
PTM	Disulfide bond, Glycoprotein, Phosphoprotein
Cellular Localization	Secreted



ARG70390 Human GIF / Gastric intrinsic factor recombinant protein
(His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70390 Human GIF / Gastric intrinsic factor
recombinant protein (His-tagged, C-ter)