

Recombinant Human GIF protein(Met1-Tyr417), His-tagged

Cat. No. GIF-3299H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GIF (P27352-1) (Met1-Tyr417) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Tyr417
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human GIF consists of 410 amino acids and predicts a molecular mass of 44.8 KDa. It migrates as an approximately 49 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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