

Recombinant Rat Gif protein, His & T7-tagged

Cat. No. Gif-7879R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gif aa. (Arg196~Phe414 (Accession # P17267)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Arg196~Phe414
Description	Binds vitamin B12 (cobalamin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage Buffer Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution Reconstitute in ddH₂O.

GENE INFORMATION

Gene Name Gif gastric intrinsic factor [*Rattus norvegicus* (Norway rat)]

Official Symbol Gif

Synonyms Gif; gastric intrinsic factor; IF; INF; intrinsic factor

Gene ID 29319

mRNA Refseq NM_017162.3

Protein Refseq NP_058858.1

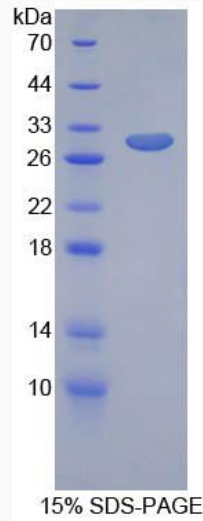
UniProt ID P17267

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SDS-PAGE



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