Recombinant Human GRP Protein, His&GST-tagged

Cat. No. GRP-1594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRP Protein (Gly31-Pro98) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly31-Pro98
Description	This gene encodes a member of the bombesin-like family of gastrin-releasing peptides. The encoded preproprotein is proteolytically processed to generate two peptides, gastrin-releasing peptide and neuromedin-C. These peptides regulate numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation. These peptides are also likely to play a role in human cancers of the lung, colon, stomach, pancreas, breast, and prostate. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.4 kDa Accurate Molecular Mass: 40 kDa
Purity	> 95%

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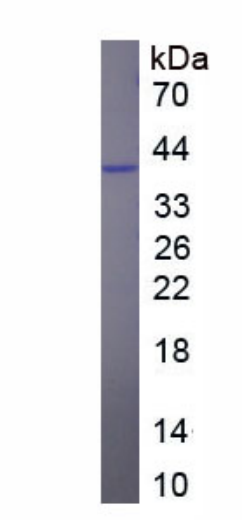
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GRP gastrin releasing peptide [Homo sapiens (human)]
Official Symbol	GRP
Synonyms	GRP; gastrin releasing peptide; BN; GRP-10; proGRP; preproGRP; gastrin-releasing peptide; bombesin; neuromedin C; pre-progastrin releasing peptide; prepro-GRP; testicular tissue protein Li 103
Gene ID	2922
mRNA Refseq	NM_002091
Protein Refseq	NP_002082

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MIM	137260
UniProt ID	P07492



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