

Recombinant Human GRP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GRP-916H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GRP MS Standard C13 and N15-labeled recombinant protein (NP_001012531) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	15.18 kDa
AA Sequence	MRGRELPLVLLALVLCLAPRGRAVPLPAGGGTVLTKMYPRGNHWAVGHLMGKKST GESSVSERGLKQQLREYIRWEEAARNLLGLIEAKENRNHQPPQPKALGNQQPS WDSSEDSSNFKDLVDSLLQVLNVKEGTPSTRTRPLEQKLISEEDLAANDILDYKDDDD KV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

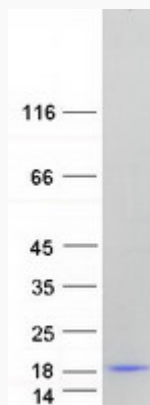
GENE INFORMATION

Gene Name	GRP gastrin-releasing peptide [Homo sapiens (human)]
Official Symbol	GRP
Synonyms	GRP; gastrin-releasing peptide; bombesin; neuromedin C; pre-progastrin releasing peptide; BN; GRP-10; proGRP; preproGRP;
Gene ID	2922
mRNA Refseq	NM_001012513
Protein Refseq	NP_001012531
MIM	137260
UniProt ID	P07492

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SDS-PAGE

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