

Recombinant Full Length Human GRP Protein, GST-tagged

Cat. No. GRP-5602HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRP full-length ORF (AAH04488, 1 a.a. - 148 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	148 amino acids
Description	This gene encodes a member of the bombesin-like family of gastrin-releasing peptides. Its preproprotein, following cleavage of a signal peptide, is further processed to produce either the 27 aa gastrin-releasing peptide or the 10 aa neuromedin C. These smaller 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 encoding different isoforms. [provided by RefSeq]
Molecular Mass	42.02 kDa
AA Sequence	MRGRELPLVLLALVLCLAPRGRAVPLPAGGGTVLTKMYPRGNHWAVGHLMGKKST GESSVSERGLSKQQLREYIRWEEAARNLLGLIEAKENRNHQPPQPKALGNQQPS WDSSEDSSNFKDVGSKGKVGRLSAPGSQREGRNPQLNQQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GRP gastrin-releasing peptide [Homo sapiens]
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_001012512
Protein Refseq	NP_001012530
MIM	137260
UniProt ID	P07492

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