Recombinant Human GRP Protein (Ser54-Asp121)

Cat. No. GRP-5437H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ProGRP (Ser54-Asp121) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser54-Asp121
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	Lyophilized powder/frozen liquid
Molecular Mass	7.48 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

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
MIM	137260
UniProt ID	P07492

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