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Datasheet for ABIN7092808

Gastrin-Releasing Peptide Protein (GRP) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Gastrin-Releasing Peptide (GRP)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Gastrin-Releasing Peptide protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human GRP with C-terminal human Fc tag
Specificity:	GRP (Val24-Met50) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Gastrin-Releasing Peptide (GRP)
Alternative Name:	GRP (GRP Products)
Background:	Synonyms: BN 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,

Target Details

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. [provided by RefSeq, Jan 2016]

Molecular Weight: predicted molecular mass of 29.0 kDa after removal of the signal peptide. The apparent molecular mass of GRP-hFc is 25-35 kDa due to glycosylation.

UniProt: [P07492](#)

Pathways: [Peptide Hormone Metabolism](#), [Hormone Activity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months