Datasheet for ABIN7491457

GRPR Protein (AA 1-38) (Fc Tag)

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Overview

Quantity:	100 µg
Target:	GRPR
Protein Characteristics:	AA 1-38
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRPR protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human GRPR Protein with C-terminal human Fc tag
Specificity:	GRPR (Met1-Gly38) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GRPR
Alternative Name:	GRPR (GRPR Products)
Background:	Gastrin-releasing peptide (GRP) regulates numerous functions of the gastrointestinal and

Target Details

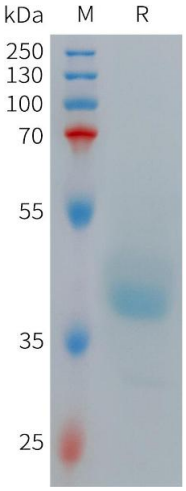
	central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation and is a potent mitogen for neoplastic tissues. The effects of GRP are mediated through the gastrin-releasing peptide receptor. This receptor is a glycosylated, 7-transmembrane G-protein coupled receptor that activates the phospholipase C signaling pathway. The receptor is aberrantly expressed in numerous cancers such as those of the lung, colon, and prostate. An individual with autism and multiple exostoses was found to have a balanced translocation between chromosome 8 and a chromosome X breakpoint located within the gastrin-releasing peptide receptor gene. [provided by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 30.4 kDa after removal of the signal peptide. The apparent molecular mass of GRPR-hFc is 35-55 kDa due to glycosylation.
UniProt:	P30550

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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



SDS-PAGE

Image 1. Human GRPR Protein, hFc Tag on SDS-PAGE under reducing condition.

