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Datasheet for ABIN7317630 REG4 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	REG4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This REG4 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human REG4/RELP Protein (Fc Tag)
Sequence:	Asp23-Pro158
Characteristics:	A DNA sequence encoding the human REG4 (Q9BYZ8-1) (Asp23-Pro158) was expressed with the fused Fc region of human IgG1 at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	REG4
Alternative Name:	REG4/RELP (REG4 Products)
Background:	Background: Regenerating islet-derived protein 4, also known as REG-like protein, REG4, GISP and RELP, a member of the regenerating gene family belonging to the calcium (C-type) dependent lectin superfamily, has been found to be involved in malignancy in several different

Target Details

organs including the stomach, colorectum, pancreas and prostate. It is highly expressed in the gastrointestinal tract and markedly up-regulated in colon adenocarcinoma, pancreatic cancer, gastric adenocarcinoma, and inflammatory bowel disease. Expression of the Reg4 in different cell types has been associated with regeneration, cell growth and cell survival, cell adhesion and resistance to apoptosis. REG4 protein overexpression is associated with an unfavorable response to preoperative chemoradiotherapy and may be used as a predictive biomarker clinically. REG4 may play an important role in the development and progression of colorectal cancer, as well as in intestinal morphogenesis and epithelium restitution.

Synonym: Regenerating islet-derived protein 4, Gastrointestinal secretory protein, REG-like protein, Regenerating islet-derived protein IV, GISP, RELP, REG4, GISP, REG-IV

Molecular Weight: 44.3 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.