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Datasheet for ABIN7321169 **REG4 Protein (His tag)**

Image



Overview

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

Product Details

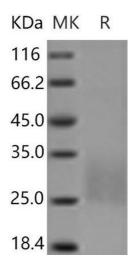
Purpose:	Recombinant Rat REG4 Protein (His Tag)
Sequence:	Met1-Pro157
Characteristics:	A DNA sequence encoding the rat REG4 (Q68AX7) (Met1-Pro157) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 78 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method

Target Details

Target:	REG4
Alternative Name:	REG4 (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

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	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: REG4
Molecular Weight:	17.3 kDa
UniProt:	Q68AX7
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.



Western Blotting

Image 1.

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