

Datasheet for ABIN7596428

REG4 Protein (AA 23-158) (His tag)



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Overview

Quantity:	100 µg
Target:	REG4
Protein Characteristics:	AA 23-158
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This REG4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	DIIMRPS CAPGWFYHKS NCYGYFRKLR NWSDAELECQ SYGNGAHLAS ILSLKEASTI AEYISGYQRS QPIWIGLHDP QKRQQWQWID GAMYLYRSWS GKSMGGNKHC AEMSSNNNFL TWSSNECNKR QHFLCKYRP
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	REG4
Alternative Name:	Reg4 (REG4 Products)
Background:	Reg4, also known regenerating islet-derived protein 4, a member of the regenerating gene family belonging to the calcium (C-type) dependent lectin superfamily. It is calcium-independent

Target Details

lectin displaying mannose-binding specificity and able to maintain carbohydrate recognition activity in an acidic environment. This protein is involved in inflammatory and metaplastic responses because expression of this protein is increased within or near inflammation, dysplasia and metaplasia of the GI epithelium. And this protein is highly expressed in the gastrointestinal tract and markedly up-regulated in colon adenocarcinoma, pancreatic cancer, gastric adenocarcinoma, and inflammatory bowel disease. Recombinant human Reg4 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 17 kDa (145aa)

NCBI Accession: [NP_114433](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.