

Recombinant Human REG4 Protein, His-tagged

Cat. No. REG4-697H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Human REG4 Protein is produced by Baculovirus expression system. This protein is fused with a His tag.

Species

Human

Source

Insect Cells

ProteinLength

23-158 aa

Description

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 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.

Form

Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Molecular Mass

17.0 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	ADPDIIMRPS CAPGWFYHKS NCYGYFRKLR NWSDAELECQ SYGNGAHLAS ILSLKEASTI AEYISGYQRS QPIWIGLHDP QKRQQWQWID GAMYLYRSWS GKSMGGNKHC AEMSSNNNFL TWSSNECNKR QHFLCKYRPH HHHHH
Endotoxin	< 1.0 EU per 1 ug of protein (determined by LAL method)
Purity	> 90 % by SDS - PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Absorbance at 280 nm)

GENE INFORMATION

Gene Name	REG4 regenerating islet-derived family, member 4 [Homo sapiens]
Official Symbol	Reg4
Synonyms	Regenerating islet-derived protein 4 isoform 1; REG4; GISP; REG-IV; RELP; REG-like protein; regenerating islet-derived protein IV;
Gene ID	83998
mRNA Refseq	NM_001159352
Protein Refseq	NP_001152824

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



MIM	609846
UniProt ID	Q9BYZ8

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA