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

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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

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MIM	609846
UniProt ID	Q9BYZ8

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