

Recombinant Human REG3A Protein, His-tagged

Cat. No. REG3A-2650H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human REG3A Protein (Cys40-Val170) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys40-Val170
Description	This gene encodes a pancreatic secretory protein that may be involved in cell proliferation or differentiation. It has similarity to the C-type lectin superfamily. The enhanced expression of this gene is observed during pancreatic inflammation and liver carcinogenesis. The mature protein also functions as an antimicrobial protein with antibacterial activity. Alternate splicing results in multiple transcript variants that encode the same protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.0 kDa Accurate Molecular Mass: 15 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

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Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	REG3A regenerating islet-derived 3 alpha [Homo sapiens (human)]
Official Symbol	REG3A
Synonyms	REG3A; regenerating islet-derived 3 alpha; pancreatitis associated protein, PAP; regenerating islet-derived protein 3-alpha; HIP; PAP1; PBCGF; REG III; REG3; REG-3-alpha; reg III-alpha; PAP homologous protein; human proislet peptide; pancreatitis-associated protein 1; proliferation-inducing protein 34; proliferation-inducing protein 42; hepatocarcinoma-intestine-pancreas; pancreatic beta cell growth factor; regenerating islet-derived protein III-alpha; PAP; PAP-H; REG-III; FLJ18565;
Gene ID	5068

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mRNA Refseq	NM_002580
Protein Refseq	NP_002571
MIM	167805
UniProt ID	Q06141

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