

Recombinant Human REG3A Protein

Catalog No.: RP02843

Sequence Information

Species **Gene ID**
Human 5068

Swiss Prot **Tags**
Q06141 C-6His

Synonyms

HIP; PAP; PAP1; REG3; INGAP;
PAP-H; PBCGF; HIP/PAP; REG-III;
REG3A

Product Information

Source **Purification**
HEK293 Cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MWObserved MW
17.41 kDa 18 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1–0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Regenerating islet-derived protein 3-α, also known as Regenerating islet-derived protein III-α, REG-3-α, REG3A, and HIP, is secreted protein that contains one C-type lectin domain. REG3A is constitutively expressed in intestine, and is a pancreatic secretory protein that may be involved in cell proliferation or differentiation. It is overexpressed during the acute phase of pancreatitis and in some patients with chronic pancreatitis. REG3A and REG1A proteins are both involved in liver and pancreatic regeneration and proliferation. REG3A is also a stress protein involved in the control of bacterial proliferation. REG3A is down-regulated in most primary human gastric cancer cells, and might be useful in the diagnosis of gastric cancer. Additionally, REG3A is a target of beta-catenin signaling in Huh7 hepatoma cells. The REG1A and REG3A are downstream targets of the Wnt pathway during liver tumorigenesis.

Basic Information

Description

Recombinant Human REG3A Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Glu27–Asp175) of human REG3A (Accession #NP_002571.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

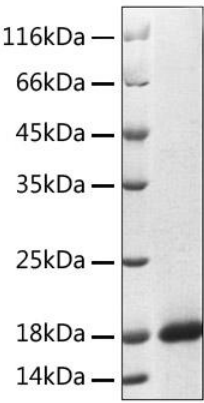
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Validation Data



Recombinant Human REG3A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.