

Human Regenerating Islet-Derived 1 Alpha/Pancreatic Stone Protein/Pancreatic Thread Protein (REG1A) ELISA Kit | REG1A elisa kit

Human Regenerating Islet-Derived 1 Alpha/Pancreatic Stone Protein/Pancreatic Thread Protein (REG1A) ELISA Kit

CATALOG # AAA331011	REACTIVITY Human
-------------------------------	----------------------------

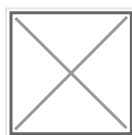
PRODUCT SYNONYMS

Regenerating Islet-Derived 1 Alpha/Pancreatic Stone Protein/Pancreatic Thread Protein (REG1A); Human Regenerating Islet-Derived 1 Alpha/Pancreatic Stone Protein/Pancreatic Thread Protein (REG1A) ELISA Kit; REG1A; ICRF; MGC12447; P19; PSP; PSPS; PSPS1; PTP; REG; islet cells regeneration factor; islet of langerhans regenerating protein; lithostathine 1 alpha; pancreatic stone protein; secretory; pancreatic thread; REG1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Regenerating Islet-derived 1 Alpha/pancreatic Stone Protein/pancreatic Thread Protein (REG1A) ELISA Kit has high sensitivity and excellent specificity for detection of Human REG1A. No significant cross-reactivity or interference between Human REG1A and analogues was observed.
Sequence Length	166
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Regenerating Islet-derived 1 Alpha/pancreatic Stone Protein/pancreatic Thread Protein (REG1A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for REG1A elisa kit	Description: This Human Regenerating Islet-derived 1 Alpha/pancreatic Stone Protein/pancreatic Thread Protein (REG1A) ELISA Kit employs a two-site sandwich ELISA to quantitate REG1A in samples. An antibody specific for REG1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any REG1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for REG1A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of REG1A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pancreatic stone protein is the major component of the protein matrix of calculi in patients suffering from chronic calcifying pancreatitis. Secretory pancreatic stone protein is a glycoprotein in the pancreatic secretion. This protein, called PSPS, occurs in multiple molecular forms due to posttranslational processing. The abundance of PSPS in pancreatic juice (10 to 14% of total protein) suggests that it plays an important role in exocrine pancreatic function. In vitro experiments show that PSPS inhibits CaCO(3) crystal growth. Since in all the pancreatic secretions are supersaturated in calcium carbonate, the physiologic role of PSPS may be related to its inhibitory properties. This gene encodes a protein that is secreted by the exocrine pancreas.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	131433
NCBI GeneID	5967
UniProt Accession #	P05451
NCBI Official Full Name	Lithostathine-1-alpha
NCBI Official Synonym Full Names	regenerating family member 1 alpha
NCBI Official Symbol	REG1A
NCBI Official Synonym Symbols	P19; PSP; PTP; REG; ICRF; PSPS; PSPS1
NCBI Protein Information	lithostathine-1-alpha
UniProt Protein Name	Lithostathine-1-alpha
UniProt Gene Name	REG1A
UniProt Synonym Gene Names	PSPS; PSPS1; REG; ICRF; REG; PSP; PTP; REG-1-alpha
UniProt Entry Name	REG1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/regenerating-islet-derived-1-alpha-pancreatic-stone-protein-pancreatic-thread-protein-reg1a/331011>