

REG-1 alpha/REG1A Protein, Human (HEK293, His)

Cat. No.:	HY-P71078
Synonyms:	Lithostathine-1-Alpha; Islet Cells Regeneration Factor; ICRF; Islet of Langerhans Regenerating Protein; REG; Pancreatic Stone Protein; PSP; Pancreatic Thread Protein; PTP; Regenerating Islet-Derived Protein 1-Alpha; REG-1-Alpha; Regenerating Protein I Alpha; REG1A; PS
Species:	Human
Source:	HEK293
Accession:	P05451 (Q23-N166)
Gene ID:	5967
Molecular Weight:	Approximately 18.0 kDa

PROPERTIES

AA Sequence	<p>Q E A Q T E L P Q A R I S C P E G T N A Y R S Y C Y Y F N E D R E T W V D A D L</p> <p>Y C Q N M N S G N L V S V L T Q A E G A F V A S L I K E S G T D D F N V W I G L</p> <p>H D P K K N R R W H W S S G S L V S Y K S W G I G A P S S V N P G Y C V S L T S</p> <p>S T G F Q K W K D V P C E D K F S F V C K F K N</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	REG1A protein may function as an inhibitor of spontaneous calcium carbonate precipitation and is suggested to be associated with neuronal sprouting in the brain, as well as contributing to the regeneration of both brain and pancreas tissues.
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Caution: Product has not been fully validated for medical applications. For research use only.

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