

## Regenerating Islet-Derived 1 Alpha Human Recombinant

<b>Item Number</b>	rAP-4630
<b>Synonyms</b>	Lithostathine-1-alpha, Pancreatic stone protein, PSP, Pancreatic thread protein, PTP, Islet of Langerhans regenerating protein, REG, Regenerating protein I alpha, Islet cells regeneration factor, ICRF, REG1A, PSPS, P19, PSPS1, MGC12447.
<b>Description</b>	The Recombinant Human REG 1 alpha is produced with N-terminal fusion His Tag. The Recombinant Human REG 1 alpha His-Tagged Fusion Protein, has a molecular weight of 17.8 kDa protein containing 144 amino acid residues of the Human REG 1 alpha and 12 additional amino acid residues – His Tag.
<b>Uniprot Accession Number</b>	P05451
<b>Amino Acid Sequence</b>	MKHHHHHHAS HMQEAQTLP QARISCEPQT NAYRSYCYF NEDRETWVDA DLYCQNMNSG NLVSVLTQAE GAFVASLIKE SGTDDFNVWI GLHDPKKNRR WHWSSGSLVS YKSWGIGAPS SVNPGYCVSL TSSTGFQKWK DVPCEDKFSF VCKFKN.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
<b>Formulation and Purity</b>	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 5mM Tris, 25mM NaCl, pH 7.5. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	Add deionized water to a working concentration approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**