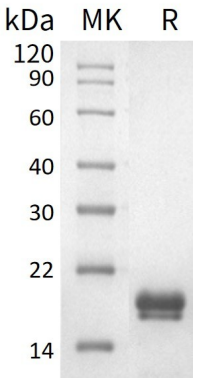
Product Name: Recombinant Human REG1A (C-6His)
Catalog #: PHH1419

Summary

Name	Reg1A/Lithostathine-1-alpha
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Regenerating Islet-Derived Protein 1-alpha is produced by our Mammalian expression system and the target gene encoding Gln23-Asn166 is expressed with a 6His tag at the C-terminus.
Accession #	P05451
Host	Human Cells
Species	Human
Predicted Molecular Mass	17.31 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



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Background

Alternative Names	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; PSPS; PSPS1; REG
Background	Regenerating Islet-Derived Protein 1-α (REG1A) belongs to the Reg family of secreted proteins with a C-type lectic domain. REG1A is highly expressed levels in fetal and infant brains, much lower in adult brains. REG1A promotes the maintenance and growth of pancreatic islet cells and intestinal villi. In addition to, REG1A Might act as an inhibitor of spontaneous calcium carbonate precipitation and be associated with neuronal sprouting in brain, and with brain and pancreas regeneration.

Note

For Research Use Only , Not for Diagnostic Use.