Product Name: Recombinant Mouse REG2 (N-6His)
Catalog #: PHM1420

Summary

Name	Reg2/Lithostathine-2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Islets Of Langerhans Regenerating Protein 2 is produced by our Mammalian expression system and the target gene encoding Gln23-Ala173 is expressed with a 6His tag at the N-terminus.
Accession #	Q08731
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	17.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
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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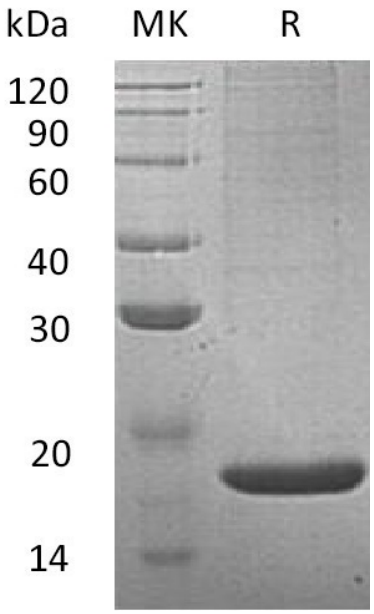

Alternative Names

Regenerating Islet-derived 2;Islet of Langerhans regenerating protein 2;Pancreatic stone protein 2;Pancreatic thread protein 2;PSP;PTP

Background

Regenerating protein 2 (Reg2) also known as Lithostathine 2, pancreatic thread protein (PTP2) and pancreatic stone protein 2 (PSP2), is a member of the Reg family of proteins. These small, secreted proteins have been implicated in a range of physiological processes including acting as acute phase reactants, lectins, survival/growth factors for insulin-producing pancreatic beta-cells, neural cells, and epithelial cells of the digestive system. Studies also indicate a role for Reg family members in tumor formation and indicate their potential for use as biomarkers of carcinogenesis. Mouse Reg2 is expressed in regenerating islets and normal exocrine pancreas. Reg2 also stimulates the growth of pancreatic beta cells. Mouse Reg2 belongs to the type II subclass of the Reg family and is the only subclass II Reg protein described.

Note

For Research Use Only , Not for Diagnostic Use.