

Recombinant Human REG1A/PSPS Protein (His Tag)

Catalog Number:PKSH033542



Note: Centrifuge before opening to ensure complete recovery of vial contents.

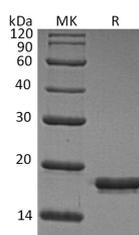
Description

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;PSPS;PSPS1;REG
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln23-Asn166
Accession	P05451
Calculated Molecular Weight	17.3 kDa
Observed molecular weight	18 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Regenerating Islet-Derived Protein 1- α (REG1A) belongs to the Reg family of secreted proteins with a C-type lectin 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.

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