Recombinant Human REG1A/PSPS Protein (His Tag)

Catalog Number: PKSH033542

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

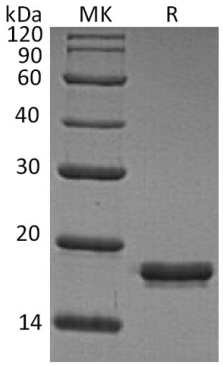
Description

Species	Human
Source	HEK293 Cells-derived Human REG1A/PSPS protein Gln23-Asn166, with an C-terminal His
Calculated MW	17.3 kDa
Observed MW	18 kDa
Accession	P05451
Bio-activity	Not validated for activity

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% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
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 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.

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