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Datasheet for ABIN7319477 **REG1A Protein (His tag)**



Overview	
Quantity:	50 µg
Target:	REG1A
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This REG1A protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human REG1A/PSPS Protein (His Tag)
Sequence:	GIn23-Asn166
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.

< 1.0 EU per μ g as determined by the LAL method.

Target Details

Endotoxin Level:

Target:	REG1A
Alternative Name:	REG1A/PSPS (REG1A Products)
Background:	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

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Target Details

	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.
	Synonym: 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
Molecular Weight:	17.31 kDa
UniProt:	P05451
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.