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Datasheet for ABIN7317513 **REG1B Protein (His tag)**



Overview

Quantity:	100 µg	
Target:	REG1B	
Origin:	Human	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This REG1B protein is labelled with His tag.	

Product Details

Purpose:	Recombinant Human REG1B/PSPS2 Protein (His Tag)
Sequence:	Met 1-Asn 166
Characteristics:	A DNA sequence encoding the human REG1B (NP_006498.1) (Met 1-Asn 166) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.

Target Details

Target:	REG1B
Alternative Name:	REG1B/PSPS2 (REG1B Products)
Background:	Background: Regenerating gene (Reg), first isolated from a regenerating islet cDNA library, encodes a secretory protein with a growth stimulating effect on pancreatic beta cells, and could
	be associated with fibrocalculous pancreatopathy. Reg and Reg-related genes which were

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	expressed in various organs have been revealed to constitute a multigene family, the Reg family
	consisting of four subtypes (types I, II, III, IV) and are involved in cancers and neurodegenerative
	diseases. Regenerating islet-derived 1 beta (REG1B), also known as Lithostathine-1-beta and
	Pancreatic stone protein 2 (PSPS2), is a types I Reg protein and contains one typical C-type
	lectin domain. REG1B is a 166-amino acid protein which has 22 amino acid substitutions in
	comparison with the previously isolated human REG1A, and it is was expressed only in
	pancreas. REG1B Is normally found in the exocrine pancreas, whereas in other tissues it
	appears either only under pathological conditions, such as Alzheimer's disease (brain), cancer
	(colon), or during regeneration such as neuronal sprouting in brain and pancreas regeneration.
	REG1B might act as an inhibitor of spontaneous calcium carbonate precipitation. The REG1A
	and REG1B gene and proteins could play different roles in the pancreas.
	Synonym: PSPS2,REGH,REGI-BETA,REGL
Molecular Weight:	17.7 kDa
NCBI Accession:	NP_006498
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
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.