antibodies

Datasheet for ABIN1097463 REG1A Protein (AA 23-166) (His tag)



Overview	
Quantity:	50 µg
Target:	REG1A
Protein Characteristics:	AA 23-166
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This REG1A protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human Regenerating Islet-Derived Protein 1-α/REG1A (C-6His)
Sequence:	QEAQTELPQA RISCPEGTNA YRSYCYYFNE DRETWVDADL YCQNMNSGNL VSVLTQAEGA FVASLIKESG TDDFNVWIGL HDPKKNRRWH WSSGSLVSYK SWGIGAPSSV NPGYCVSLTS STGFQKWKDV PCEDKFSFVC KFKNVDHHHH HH
Characteristics:	Recombinant Human Regenerating Islet-Derived Protein 1-alpha/REG1A produced by transfected human cells is a secreted protein with sequence (Gln23-Asn166) of Human REG1A fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 μm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

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Target:	REG1A
Alternative Name:	reg1a (REG1A Products)
Sub Type:	Fusionprotein
Background:	 Regenerating Islet-Derived Protein 1-alpha (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. Alternative Names: 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 Alp
Molecular Weight:	17.31 kDa
UniProt:	P05451
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Format: Reconstitution:	Lyophilized It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O.
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Reconstitution: Buffer:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Reconstitution: Buffer: Handling Advice:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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