Recombinant Human Regenerating Islet-Derived 1 Beta, His-tagged

Cat. No. REG1B-3919H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human REG1B (NP_006498.1) (Met 1-Asn 166) was fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Human
ProteinLength	1-166 a.a.
Description	Regenerating gene, first isolated from a regenerating islet Cdna library, encodes a secretory protein with a growth stimulating effect on pancreatic beta cells. Reg and Reg-related genes which were 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.
Form	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Predicted N terminal	Gln 23

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Molecular Mass	The recombinant human REG1B consists of 155 amino acids and predictes a molecular mass of 17.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh REG1B is approximately 19-21 kDa due to different glycosylation.
Storage	Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

GENE INFORMATION

Gene Name	REG1B regenerating islet-derived 1 beta [Homo sapiens]
Official Symbol	REG1B
Synonyms	REG1B; regenerating islet-derived 1 beta; REGH; REGL; PSPS2; REGI-BETA; lithostathine-1-beta; PSP-2; REG-1-beta; OTTHUMP00000160488; lithostathine 1 beta; pancreatic stone protein 2; regenerating protein I beta; secretory pancreatic stone protein 2; regenerating islet-derived protein 1-beta; regenerating islet-derived 1 beta (pancreatic stone protein, pancreatic thread protein)
Gene ID	5968
mRNA Refseq	NM_006507
Protein Refseq	NP_006498
MIM	167771
UniProt ID	P48304
Chromosome	2p12

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Location	
Function	binding; sugar binding

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