9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

REG4 Human, Sf9

Regenerating Islet-Derived 4 Human Recombinant, Sf9
RCP1845

Product Overview

Name	REG4 Human, Sf9
Description	
Regenerating Islet-Derived 4 Human Recombinant, Sf9	
Accession (Primary)	Q9BYZ8
Synonyms	
Regenerating islet-derived protein 4, Reg IV, REG-like protein, Gastrointestinal secretory protein, REG4, GISP, RELP.	
Introduction	
REG protein was shown to be stimulated during the regeneration of pancreatic islets. Since then, many Reg-related proteins have been identified in humans and other animals. In human, the four REG family genes, i.e., REG 1 alpha, REG 1 beta, REG-related sequence (RS) and HIP/PAP, have so far been isolated. These Reg-related proteins are classified into four subfamilies according to their amino-acid sequences, but they share a similar structure and physiological function. Reg protein is a growth factor for pancreatic beta cells and also suggests that the administration of Reg protein could be used as another therapeutic approach for diabetes mellitus. Human REG cDNA which encodes a 166-amino acid protein with a 22-amino acid signal peptide. The amino acid sequence of human REG protein has 68% homology to that of rat Reg protein.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
REG4 protein solution (0.25mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
ADPDIIMRPS CAPGWFYHKS NCYGYFRKLR NWSDAELECQ SYGNGAHLAS ILSLKEASTI AEYISGYQRS	

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QPIWIGLHDP QKRQQWQWID GAMYLYRSWS GKSMGGNKHC AEMSSNNNFL TWSSNECNKR QHFLCKYRP H HHHHH

Precautions

REG4 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BYZ8)