

Regenerating Islet-Derived 4 Human Recombinant

Item Number	rAP-4633
Synonyms	Regenerating islet-derived protein 4, Reg IV, REG-like protein, Gastrointestinal secretory protein, REG4, GISP, RELP.
Description	The Recombinant Human REG-4 is manufactured with N-terminal fusion of His Tag. The Recombinant Human REG-IV His-Tagged Fusion Protein is 17.4 kDa protein containing 136 amino acid residues of the Human REG 4 and 12 additional amino acid residues – His Tag (underlined).
Uniprot Accession Number	Q9BYZ8
Amino Acid Sequence	MKHHHHHHAS HMDIIMRPSC APGWFYHKS N CYGYFRKLRN WSDAELECQS YGNGAHLASI LSLKEASTIA EYISGYQRSQ PIWIGLHDPQ KRQQWQWIDG AMYLYRSWSG KSMGGNKHCA EMSSNNNFLT WSSNECNKRQ HFLCKYRP.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 20mM Tris, pH 8.0. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	Add deionized water to a working concentration approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**