

Recombinant Human REG4/RELP Protein (His Tag)

Catalog Number:PKSH032991



Note: Centrifuge before opening to ensure complete recovery of vial contents.

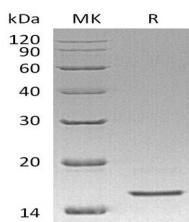
Description

Synonyms	Regenerating islet-derived protein 4;Gastrointestinal secretory protein;REG-like protein;Regenerating islet-derived protein IV;GISP;RELP;REG4;GISP;REG-IV
Species	Human
Expression Host	HEK293 Cells
Sequence	Asp23-Pro158
Accession	Q9BYZ8
Calculated Molecular Weight	19.2 kDa
Observed molecular weight	16 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Reconstitution	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

REG4 is a secreted contains one C-type lectin domain, high expressed in the gastrointestinal tract, including jejunum, ileum, appendix, pancreas and small intestine. REG4 can be up-regulated by mucosal injury from active Crohn's disease or ulcerative colitis. In the acid environment, REG4 can maintain carbohydrate recognition activity. REG4 may be involved in inflammatory and metaplastic response of the gastrointestinal epithelium.

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