



Recombinant Protein Technical Manual
Recombinant Human REG4/RELP Protein (His Tag)
RPES3718

Product Data:

Product SKU: RPES3718

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9BYZ8

Protein Information:

Molecular Mass: 19.2 kDa

AP Molecular Mass: 16 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Regenerating islet-derived protein 4; Gastrointestinal secretory protein; REG-like protein; Regenerating islet-derived protein IV; GISP; RELP; REG4;GISP;REG-IV

Immunogen Information:

Sequence: Asp23-Pro158

Background:

REG4 is a secreted protein that contains one C-type lectin domain, highly 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.