



[Go to Product page](#)

Datasheet for ABIN1691598
REG4 Protein (AA 23-158) (His tag)

Overview

Quantity:	50 µg
Target:	REG4
Protein Characteristics:	AA 23-158
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This REG4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Regenerating Islet-Derived Protein 4/RELP (C-6His)
Sequence:	DIIMRPSCAP GWFYHKSNCY GYFRKLRNWS DAELECSYG NGAHLASILS LKEASTIAEY ISGYQRSQPI WIGLHDPQKR QQWQWIDGAM YLYRSWSGKS MGGNKHCAEM SSNNNFLTWS SNECNKRQHF LCKYRPVDHH HHHH
Characteristics:	Recombinant Human Regenerating islet-derived protein 4/REG4 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Asp23Pro158) of Human REG4 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	REG4
Alternative Name:	REG4 (REG4 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Regenerating islet-derived protein 4, Gastrointestinal secretory protein, REG-like protein, Regenerating islet-derived protein IV, GISP, RELP, REG4</p>
Molecular Weight:	19.2 kDa
UniProt:	Q9BYZ8

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	5 months