# Regenerating Protein 1 beta Human E. coli

## Product Data Sheet

**Type:** Recombinant
**Source:** E. coli
**Species:** Human
**Other names:** REG 1 beta, Lithostathine-1-beta, Regenerating islet-derived protein 1-beta, REG-1-beta, Regenerating protein I beta, Pancreatic stone protein 2, PSP-2, REG1B, PSPS2, REGL

**Cat. No.:**

| | |
|---|---|
| RD172084025 | (0.025 mg) |
| RD172084100 | (0.1 mg) |

## Description

Total 156 AA. MW: 17.8 kDa (calculated). UniProtKB acc.no. P48304. N-Terminal His-tag 12 AA (highlighted).

## Research topic

Diabetology - Other Relevant Products, Pancreatic regulatory molecules

## Amino Acid Sequence

**MKHHHHHHAS HM**QESQTELP NPRISCPEGT NAYRSYCYYF NEDPETWVDA DLYCQNMNSG NLVSVLTQAE GAFVASLIKE SSTDDSNVWI GLHDPKKNRR WHWSSGSLVS YKSWDTGSPS SANAGYCASL TSCSGFKKWK DESCEKKFSF VCKFKN

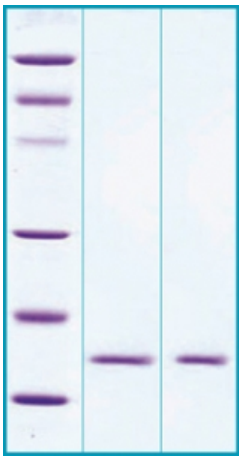
## Source

E. coli

## Purity

Purity as determined by densitometric image analysis: >95%

## SDS-PAGE gel



12% SDS-PAGE separation of Human Reg1 beta
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and heated sample, 2.5µg/lane
3. non-reduced and non-heated sample, 2.5µg/lane

## Formulation

Filtered (0.4 µm) and lyophilized in 20mM TRIS, 50mM NaCl, pH 8.0

## Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

## Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

## Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

## Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

## Applications

ELISA, Western blotting

## Note

This product is intended for research use only.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