

#### BioVendor - Laboratorní medicína a.s.

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# **PRODUCT DATA SHEET**

## Regenerating Protein 1 alpha Human E. coli

**Cat. No.:** RD172078100 **Size:** 0.1 mg

Source: E. coli Type: Recombinant protein

Species: Human

#### Other Names:

REG-1-alpha, PSP, Pancreatic stone protein, Lithostatine, Litostathine-1-alpha, Pancreatic thread protein, PTP, Islet od langerhans regenerating protein, Regenerating islet-derived protein 1-alpha, Islet cell regeneration factor, IC, PeroxiredoxinVI (Prx VI), PDGFR (PDGFR)

### **Description:**

Total 156 AA. MW: 17.8 kDa (calculated). UniProtKB acc.no. P05451. N-Terminal His-tag 12 AA.

### **Amino Acid Sequence:**

MKHHHHHAS HMQEAQTELP QARISCPEGT NAYRSYCYYF NEDRETWVDA DLYCQNMNSG NLVSVLTQAE GAFVASLIKE SGTDDFNVWI GLHDPKKNRR WHWSSGSLVS YKSWGIGAPS SVNPGYCVSL TSSTGFQKWK DVPCEDKFSF VCKFKN

#### **Purity:**

> 90 % by SDS-PAGE

#### **Endotoxin:**

 $< 1.0 EU/\mu g$ 

#### Formulation:

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

#### Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

#### Shipping:

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

#### Storage/Stability:

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.

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# **Quality Control:**

BCA to determine quantity of the protein. SDS PAGE to determine purity of the protein. Endotoxin level determination.

**Applications:** ELISA, Western blotting

This product is intended for research use only.

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