

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:

MKHHHHHHAS HMQEAQTELP QARISCPEGT NAYRSYCYF NEDRETWVDA DLYCQNMNSG
NLVSVLTQAE GAFVASLIKE SGTDDFNVWI GLHDPKKNRR WHWSSGSLVS YKSWGIGAPS
SVNPGYCVSL TSSTGFQKWK DVPCEDKFSF VCKFKN

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

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.

Quality Control:

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

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.