

PRODUCT DATA SHEET

Regenerating Protein 1 alpha Human, Rabbit Polyclonal Antibody

Cat. No.: RD181078100

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Rabbit

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)

Preparation:

The antibody was raised in rabbits by immunization with the recombinant Human REG-1alpha.

Amino Acid Sequence of Immunogen:

The immunization antigen (17.8 kDa) is a protein containing 156 AA of recombinant Human REG-1alpha. N-Terminal His-tag 12 AA (highlighted).

MKHHHHHHAS HMQEAQTQLP QARISCPGPT NAYRSYCYF NEDRETWVDA
DLYCQNMNSG NLVSVLTQAE GAFVASLIKE SGTDDFNVWI GLHDPKKNRR
WHWSSGSLVS YKSWGIGAPS SVNPGYCVSL TSSTGFQKWK DVPCEDKFSF VCKFKN

The amino acid sequence of the recombinant Human REG-1alpha is 100% homologous to the amino acid sequence of the Human REG-1alpha without signal sequence

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human REG-1alpha.

Species Reactivity:

Human. Not yet tested in other species.

Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. ****AZIDE FREE****.

Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:

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

Storage/Stability:

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C . Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C .

Quality Control:

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

Applications:

ELISA, Immunohistochemistry, Immunoprecipitation, Western blotting

Note:

This product is for research use only.