

PRODUCT DATA SHEET

Regucalcin Human, Sheep Polyclonal Antibody

Cat. No.: RD184257100

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Sheep

Other Names:

RC, Gluconolactonase, GNL, EC=3.1.1.17, Senescence marker protein 30, SMP-30, RGN

Preparation:

The antibody was raised in sheep by immunization with the recombinant Human Regucalcin.

Amino Acid Sequence of Immunogen:

The immunization antigen (34.49 kDa) is a protein containing 309 AA of recombinant Human Regucalcin. UniProtKB acc.no. Q15493. N-terminal His-tag, 10 extra AA (highlighted).

MKHHHHHHAS MSSIKIECVL PENCRCGESP VWEEVSNSLL FVDIPAKKVC
RWDSFTKQVQ RVTMDAPVSS VALRQSGGYV ATIGTKFCAL NWKEQSAVVL
ATVDNDKKNN RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGALYSFLPD
HHVKKYFDQV DISNGLDWSL DHKIFYIIDS LSYSVDAFDY DLQTGQISNR RSVYKLEKEE
QIPDGMCIDA EGKLWVACYN GGRVIRLDPV TGKRLQTVKL PVDKTTSCCF
GGKNYSEMYV TCARDGMDPE GLLRQPEAGG IFKITGLGVK GIAPYSYAG

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human Regucalcin.

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

Note:

This product is for research use only.