Regucalcin Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: RC, Gluconolactonase, GNL, EC=3.1.1.17, Senescence marker protein 30, SMP-30, RGN

Cat. No.:
RD172257100 (0.1 mg)

Description

Total 309 AA. MW: 34.49 kDa (calculated). UniProtKB acc.no. Q15493. N-terminal His-tag (10 extra AA).

Research topic

Bone and cartilage metabolism, Neural tissue markers, Oncology

Amino Acid Sequence

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

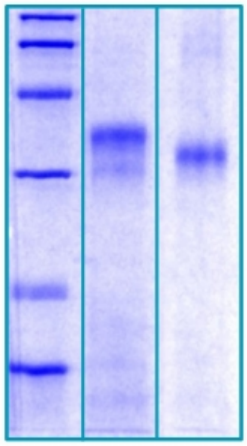
Source

E. coli

Purity

Purity as determined by densitometric image analysis and GFC: > 95%

SDS-PAGE gel



12% SDS-PAGE separation of Human Regucalcin:
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

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 50mM NaCl, pH 9.0

Reconstitution

Add 200ul of 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 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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