Regenerating Protein 4 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Regenerating islet-derived protein 4, REG-4, Regenerating islet-derived protein IV, Reg IV, REG-like protein, Gastrointestinal secretory protein, REG4, GISP, RELP

Cat. No.:
RD172083100 (0.1 mg)

Description

Total 148 AA. MW: 17.4 kDa (calculated). UniProtKB acc.no. Q9BYZ8. N-Terminal His-tag 12 AA (highlighted).

Research topic

Diabetology - Other Relevant Products, Pancreatic regulatory molecules

Amino Acid Sequence

MKHHHHHHAS HMDIIMRPSC APGWFYHKSN CYGYFRKLRN WSDAELECQS YGNGAHLASI LSLKEASTIA EYISGYQRSQ PIWIGLHDPQ KRQQWQWIDG AMYLYRSWSG KSMGGNKHCA EMSSNNNFLT WSSNECNKRQ HFLCKYRP

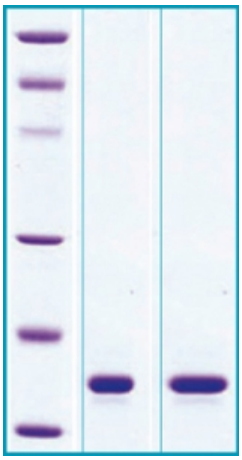
Source

E. coli

Purity

>95%

SDS-PAGE gel



12% SDS-PAGE separation of Human REGIV
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and heated sample, 5µg/lane
3. non-reduced and non-heated sample, 5µg/lane

Formulation

Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20 mM Tris , pH 8.0

Reconstitution

Add 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 -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°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 limited period of time; it does not show any change after one week at 4°C.

Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.

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