Growth Differentiation Factor-3 Human E.coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: GDF-3, UNQ222/PRO248

Cat. No.:
RD172202100 (0.1 mg)

Description

Total 124 AA. MW: 14.15 kDa (calculated). UniProtKB acc.no. Q9NR23. N-Terminal His-tag, 10 extra AA (highlighted).

Research topic

Energy metabolism and body weight regulation

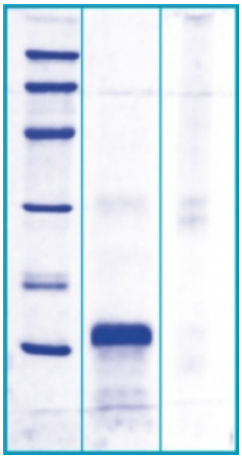
Amino Acid Sequence

MKHHHHHHAS AAIPVPKLSC KNLCHRHQLF INFRDLGWHK WIIAPKGFMA NYCHGECPFS LTISLNSSNY AFMQALMHAV DPEIPQAVCI PTKLSPISML YQDNNDNVIL RHYEDMVVDE CGCG

Source

E. coli

SDS-PAGE gel



14% SDS-PAGE separation of Human GDF-3
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 from 0.5 mg/ml in 0.03M Acetate buffer, pH 4

Reconstitution

Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/mL. In higher concentrations the solubility of this antigen is limited. 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

Western blotting

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