Secretoglobin Family 3A Member 2 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Pneumo secretory protein 1, PnSP-1, Uteroglobin-related protein 1, SCGB3A2

Cat. No.:
RD172373100 (0.1 mg)

Description

Total 157 AA. MW: 17,1 kDa (calculated). UniProtKB acc.no. Q96PL1 (2× Phe22-Val93). C-terminal His-tag (6 extra AA) and linker (6 extra AA). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Secretoglobins are small disulfide linked dimeric proteins. Secretoglobin family 3A member 2 is highly expressed in lung.

Research topic

Immune Response, Infection and Inflammation, Oncology, Pulmonary diseases

Amino Acid Sequence

MFLINKVPLP VDKLAPLPLD NILPFMDPLK LLLKTLGISV EHLVEGLRKC VNELGPEASE AVKKLLEALS HLVGGSGGSF
LINKVPLPVD KLAPLPLDNI LPFMDPLKLL LKTLGISVEH LVEGLRKCVN ELGPEASEAV KKLLEALSHL V**HHHHHH**

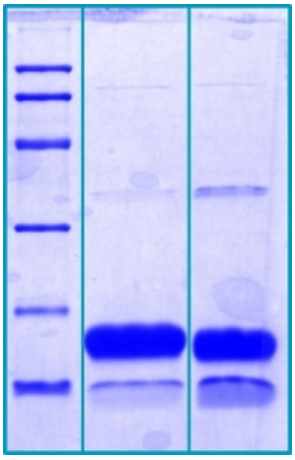
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



14 % SDS-PAGE separation of Human Secretoglobin 3A2:

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. reduced and boiled sample, 2.5 µg/lane

3. non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

Frosen from 0,25-0,5mg/mL solution in phosphate buffered saline (PBS) pH 8.0

Reconstitution

Defrost at ambient temperature. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

On ice. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store protein at -80°C. Protein remains stable until the expiry date when stored at -80°C. Avoid repeated freezing/thawing cycles. The thawed protein can be stored at 4 °C for three days.

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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