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
MFLINKVPLPDKLAPLPLDNLKFMDPLKLLKLTLGISVEHLVEGRLRKCVNELGPEASEAVKYLLEALSHLVVGGSGGF
LINKVPLPVDKLAPLPLDNLKFMDPLKLLKLTLGISVEHLVEGRLRKCVNELGPEASEAVKYLLEALS

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/µg

Formulation
Frosten 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.