Secretoglobin Family 1D Member 1 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Lipophilin-A, SCGB1D1, LIPHA

Cat. No.:
RD172284100 (0.1 mg)

Description

Total 79 AA. MW: 8.8 kDa (calculated). UniProtKB acc.no. O95968 (Val22-Arg90). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Secretoglobin Family 1D Member 1 binds androgens and other steroids. It also binds chemotherapeutic drugs during the prostate cancer treatment. Steroid hormones regulate its transription. It is secreted into extracellular space.

Amino Acid Sequence

MKHHHHHHAS VVCQALGSEI TGFLLAGKPV FKFQLAKFKA PLEAVAAKME VKKCVDTMAY EKRVLITKTL GKIAEKCDR

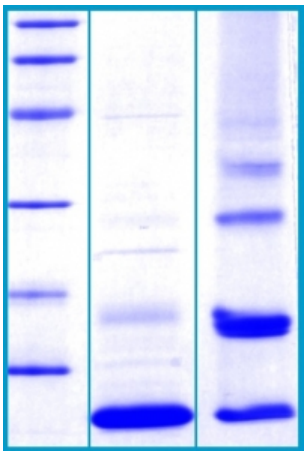
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



14% SDS-PAGE separation of Human SCGB1D1:
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and boiled sample, 2.5µg/lane
3. non-reduced and non-boiled 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, 50 mM NaCl, pH 7.5

Reconstitution

Add 200µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the 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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