Claudin-4 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Clostridium perfringens enterotoxin receptor, CPE-R, CPE-receptor, Williams-Beuren syndrome chromosomal region 8 protein, CLDN4, CPER, CPETR1, WBSCR8

Cat. No.:
RD172237100 (0.1 mg)

Description

Total 93 AA. MW: 10.63 kDa (calculated). UniProtKB acc.no. O14493. N-Terminal His-tag (10 extra AA) and PreScission protease cleavage site (8 extra AA) - highlighted. Description: the recombinant protein is a fusion protein consisting of two extracellular domains of claudin-4 linked together with the PreScission protease LEVLFQGP cleavage site. Protein is tagged by an N-terminal his-tag.

Research topic

Oncology

Amino Acid Sequence

MKHHHHHHAS MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS TGQMQCKVYD SLLALPQDLQ AAR**LEVLFQG P**TAHNIIQDF YNPLVASGQK REM

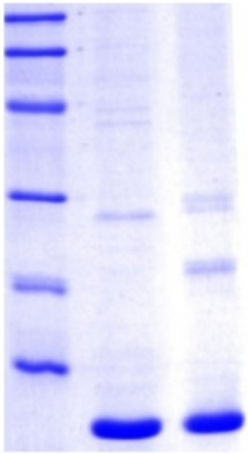
Source

E. coli

Purity

Purity as determined by densitometric image analysis > 90%

SDS-PAGE gel



14% SDS-PAGE separation of Human Claudin-4
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

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.03 M Acetate buffer pH=4.0

Reconstitution

Add 0.1M Acetate buffer pH 4.0 to prepare a working stock solution of 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 -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. Warning: avoid repeated freeze/thaw cycles of solubilized protein

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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