



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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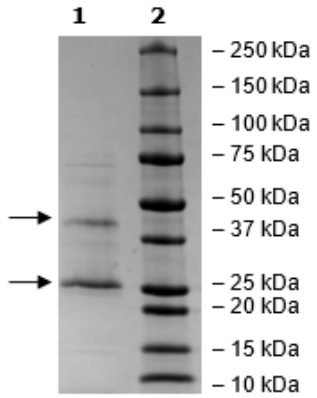
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Product Information

<b>Description:</b>	Recombinant human Claudin-18, Isoform 2 (CLDN 18), full length, encompassing amino acids 1-261(end). This construct contains a C-terminal Flag-tag. The recombinant protein was affinity purified.
<b>Species:</b>	Human
<b>Construct:</b>	Claudin-18 Isoform 2 (1-261(end)-FLAG)
<b>Concentration:</b>	0.31 mg/ml
<b>Expression System:</b>	HEK293
<b>Purity:</b>	≥90%
<b>Format:</b>	Aqueous buffer solution.
<b>Formulated In:</b>	50 mM HEPES, pH 8, 500 mM NaCl, 10% glycerol, 0.1% DDM, 0.01% CHS, and 100 µg/ml FLAG peptide
<b>MW:</b>	29 kDa
<b>Genbank Accession:</b>	NM_001002026
<b>Stability:</b>	At least 6 months at -80°C.
<b>Storage:</b>	-80°C
<b>Instructions for Use:</b>	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles
<b>Assay Conditions:</b>	The protein was validated by measuring its binding to Anti-Claudin-18 Isoform 2 IgG Antibody (BPS Bioscience #101564) in biochemical binding (ELISA) assay. The Claudin-18 Isoform 2 protein was coated onto a 96-well plate overnight at 4°C (50 µl/well at a concentration of 2 µg/ml in PBS). The plate was washed 3 times with Immuno Buffer 1 (BPS Bioscience #79311) and blocked using 100 µl of Blocking Buffer 2 (BPS Bioscience #79728) with DDM/CHS detergent (dodecyl-β-D-maltoside (DDM) 0.05%, cholesteryl hemisuccinate (CHS) 0.01%) for 1 hour at room temperature. After removing the blocking buffer, 50 µl/well of purified Anti-Claudin-18 Isoform 2 IgG Antibody (BPS Bioscience #101564), serially diluted in Blocking Buffer 2 with DDM/CHS detergent, was added for 60 minutes at room temperature. After 3 more washes, the plate was incubated with Goat Anti-Human IgG Fc (HRP) (Abcam #ab97225), washed, and incubated with HRP Colorimetric Substrate (BPS Bioscience #79651). The reaction was stopped, and absorbance was read at 450 nm. The Blank value was subtracted from all values.
<b>Applications:</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

## Quality Control Data

### 4-20% SDS-PAGE Coomassie Staining



### CLDN 18.2: CLDN 18.2 Antibody Binding Assay

