

Product Information

NativeExtract™ Human CLDN4 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX410**

This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human CLDN4 protein in native nanodisc form. The synthetic compound we developed can solubilize the CLDN4 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

CLDN4

Protein Length

Full length

Molecular Weight

22.1 kDa

Sequence

Accession # [O14493](#)

Product Description

Activity

Yes

Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems

HEK293 expression system

Tag

Flag tag at the C-terminus

Protein Format

Native Nanodisc

Form

Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target**Target Protein**

CLDN4

Full Name

Claudin 4

Introduction

The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.

Alternative Names

CPER; CPE-R; CPETR; CPETR1; WBSR8; hCPE-R; claudin-4; CPE-receptor; Clostridium perfringens enterotoxin receptor 1; Williams-Beuren syndrome chromosomal region 8 protein; CLDN4; Claudin 4

Gene ID

[1364](#)

UniProt ID

[Q14493](#)