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Product Information

NativeExtract™ Human CLDN6 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX486**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human CLDN6 protein in native nanodisc form. The synthetic compound we developed can solubilize the CLDN6 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
CLDN6

Protein Length
Full length

Molecular Weight
23 kDa

Sequence
Accession # P56747

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

CLDN6

Full Name

Claudin 6

Introduction

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. This gene encodes a component of tight junction strands, which is a member of the claudin family. The protein is an integral membrane protein and is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. This gene is adjacent to another family member CLDN9 on chromosome 16.

Alternative Names

CLDN6; claudin-6; skullin; Claudin 6

Gene ID

9074

UniProt ID

P56747

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