

Active Recombinant Human CLDN4 Full Length Transmembrane protein, His&Strep-tagged(Nanodisc)

Cat. No. CLDN4-257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CLDN4 Full Length Transmembrane protein(O14493) (Met1-Val209) was expressed in HEK293, with a polyhistidine tag at the N-terminus and a Strep tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Val209
Form	Supplied as sterile 10mM Hepes, 50mM NaCl, 1% Glycerol, pH 7.5.
Bio-activity	Immobilized Human Claudin-4-Nanodisc Protein, His, Strep tag at 5 µg/mL (100 µL/well) can bind Anti-Claudin-4 Antibody, human IgG1, the EC50 is 10-31 ng/mL.
Molecular Mass	The recombinant Human CLDN4-Nanodisc consists of 228 amino acids and predicts a molecular mass of 24.62 kDa. It migrates as an approximately 53.2 kDa 21.7 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	≥ 85 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [CLDN4 claudin 4 \[Homo sapiens \]](#)

Official Symbol [CLDN4](#)

Synonyms

CLDN4; claudin 4; CPETR, CPETR1; claudin-4; Clostridium perfringens enterotoxin receptor 1; CPE R; hCPE R; WBSCR8; Williams Beuren syndrome chromosomal region 8 protein

Gene ID [1364](#)

mRNA Refseq [NM_001305](#)

Protein Refseq [NP_001296](#)

MIM [602909](#)

UniProt ID [O14493](#)

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