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

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

## SPECIFICATION

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| **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

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| **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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