

## CLDN6 protein

Human CLDN6-Strep full length protein-synthetic nanodisc

CATALOG #  
**AAA129483**

HOST  
**HEK293**

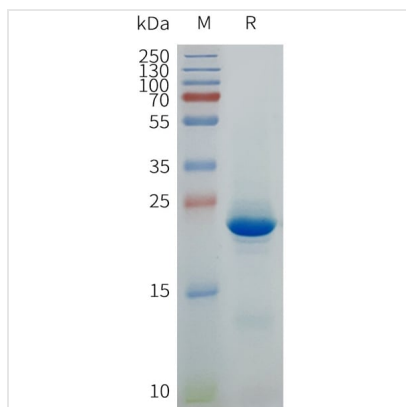
### PRODUCT SYNONYMS

CLDN6; Human CLDN6-Strep full length protein-synthetic nanodisc; Claudin 6; Claudin-6; Skullin; Claudin6; CLDN6 protein

### PRODUCT SPECIFICATIONS

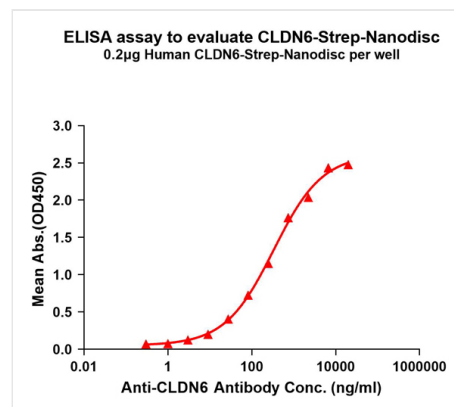
|             |                                                                                                                                                                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host        | HEK293                                                                                                                                                                                                                                                          |
| Form/Format | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Lyophilized from PBS. Normally 5%- |
| Tag         | C-DYKDDDDK&Strep                                                                                                                                                                                                                                                |

### IMAGES



**SDS-PAGE**

Figure 2. Human CLDN6-Strep-Nanodisc, C-DYKDDDDK&Strep Tag on SDS-PAGE



**ELISA**

Figure 1. Elisa plates were pre-coated with C-DYKDDDDK&Strep Tag CLDN6-Strep-Nanodisc (0.2ug/per well). Serial diluted anti-CLDN6 monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CLDN6 monoclonal antibody binding with CLDN6-Strep-Nanodisc is 334.6ng/ml.

### ADDITIONAL INFORMATION

#### Related Product Information for CLDN6 protein

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.

#### Product Categories/Family for CLDN6 protein

Cell adhesion molecules (CAMs); Leukocyte transendothelial migration; Tight junction

NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 153792768              |
| NCBI GeneID                      | 9074                   |
| NCBI Accession #                 | NP_067018.2            |
| NCBI GenBank Nucleotide #        | NM_021195.4            |
| UniProt Accession #              | P56747; B3KQP9; D3DUA5 |
| Molecular Weight                 | 23,292 Da              |
| NCBI Official Full Name          | claudin-6              |
| NCBI Official Synonym Full Names | claudin 6              |
| NCBI Official Symbol             | CLDN6                  |
| NCBI Protein Information         | claudin-6; skullin     |
| UniProt Protein Name             | Claudin-6              |
| UniProt Gene Name                | CLDN6                  |
| UniProt Entry Name               | CLD6_HUMAN             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/cldn6/129483>