

## Recombinant Human CLDN2 Protein, His-tagged

**Cat. No.** CLDN2-11293H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CLDN2 Protein(184-230 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 184-230 aa                                                                                                                                                                                                                                           |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>AASequence</b>       | SCSSQRNRSNYYDAYQAQPLATRSSPRPGQPPKVKSEFNSYSLTGYV                                                                                                                                                                                                      |
| <b>Purity</b>           | 80%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |

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**GENE INFORMATION**

|                        |                                    |
|------------------------|------------------------------------|
| <b>Gene Name</b>       | CLDN2 claudin 2 [ Homo sapiens ]   |
| <b>Official Symbol</b> | CLDN2                              |
| <b>Synonyms</b>        | CLDN2; claudin 2; claudin-2; SP82; |
| <b>Gene ID</b>         | 9075                               |
| <b>mRNA Refseq</b>     | NM_001171092                       |
| <b>Protein Refseq</b>  | NP_001164563                       |
| <b>MIM</b>             | 300520                             |
| <b>UniProt ID</b>      | P57739                             |
| <b>SDS-PAGE</b>        |                                    |

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