

## Recombinant Human CLDN2 Protein, GST-tagged

**Cat. No.** CLDN2-1438H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CLDN2 full-length ORF ( NP_065117.1, 1 a.a. - 230 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010] |
| <b>Molecular Mass</b>   | 50.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MASLGLQLVG YILG LLG LLG TLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECATH<br>STGITQCDIYSTLLGLPADIQAAQAMMVTSSAISLACIISVVGMRCTVFCQESRAKD<br>RVAVAGGVFFILG LLG FIPVAWN LHGILRDFYSPLVPDSMKFEIGEALYLGIISSLFSL<br>IAGIILCFSCSSQRNRSNYDAYQAQPLATRSSPRPGQPPKVKSEFNSSYSLTGYV                                                                                                                                                                                                                                      |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

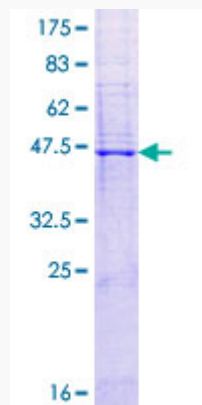
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| <b>GENE INFORMATION</b> |                                                                          |
| <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                                                                   |

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**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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