

## Active Recombinant Human NID1 protein, His-tagged

**Cat. No.** NID1-331H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human NID1(Leu29-Lys1114 (Gln1113Arg)) fused with His tag at N-terminal was expressed in NS0.                                                                                                                                                                                          |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                                                              |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>        | 29-1114 a.a.                                                                                                                                                                                                                                                                                       |
| <b>Predicted N Terminal</b> | His                                                                                                                                                                                                                                                                                                |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                                                |
| <b>Bio-activity</b>         | Measured by the ability of the immobilized protein to support the adhesion of SVEC4-10 mouse vascular endothelial cells. When 4 x 10 <sup>4</sup> cells/well are added to rhNidogen-1 coated plates (30 µg/mL with 100 µL/well), approximately 40-75% will adhere after one hour at 37 centigrade. |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 120 kDa;SDS-PAGE: 130 kDa, reducing conditions;                                                                                                                                                                                                                          |
| <b>Endotoxin</b>            | <1.0 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                                                 |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain                                                                                                                                                                                                                         |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70                                                                                                                                                                                                                       |

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centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Reconstitution** Reconstitute at 100 µg/mL in sterile PBS.

## GENE INFORMATION

**Gene Name** [NID1 nidogen 1 \[ Homo sapiens \]](#)

**Official Symbol** [NID1](#)

**Synonyms** NID1; nidogen 1; NID, nidogen (enactin); nidogen-1; entactin; NID-1; enactin; NID;

**Gene ID** [4811](#)

**mRNA Refseq** [NM\\_002508](#)

**Protein Refseq** [NP\\_002499](#)

**MIM** [131390](#)

**UniProt ID** [P14543](#)

**Chromosome Location** 1q43

**Function** calcium ion binding; collagen binding; extracellular matrix binding; laminin-1 binding;

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