

# Active Recombinant Human NECTIN2 protein, His-tagged

**Cat. No.** NECTIN2-224H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Human NECTIN2 protein(NP_002847.1)(Met1-Leu360), fused with His tag, was expressed in HEK293.                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Met1-Leu360                                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                         |
| <b>Bio-activity</b>     | 1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD112 at 20 µg/ml (100 µl/well) can bind biotinylated DNAM1 with a linear range of 0.078-2.5 µg/ml.2. Using the Octet RED System, the affinity constant (Kd) of Anti-CD112 Antibody bound to Nectin-2 Protein, Human, Recombinant (His Tag) was 34.4 nM. |
| <b>Molecular Mass</b>   | The recombinant mature human CD112 consists 340 amino acids and has a calculated molecular mass of 36.2 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 48 kDa protein in SDS-PAGE under reducing conditions.                                                                                            |
| <b>Endotoxin</b>        | < 1.0 EU per                                                                                                                                                                                                                                                                                                                                     |

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|                       |                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | µg of the protein as determined by the LAL method                                                                                                                                                                                                 |
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                  |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>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. |
| <b>Reconstitution</b> | 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.                                                                     |

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