

For Research Use Only

Recombinant Mouse NID1 protein (rFc Tag)



Catalog Number: Eg3030

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse NID1 protein Leu29-Lys1245 (Accession# P10493) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

18073

Accession:

P10493

Predicted Molecular Mass:

160.7 kDa

SDS-PAGE:

125-200 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

NID1 (Nidogen 1) is an extracellular matrix protein that is an integral part of the extracellular matrix and basement membrane. The primary function of NID1 is to establish a link between laminin, collagen, and proteoglycans and cell-surface receptors to control cell polarization, migration, and invasion. (PMID: 38001576) NID1 regulates tumor-matrix crosstalk during tumor metastasis and has been shown to modulate various tumor progression. Currently NID1 has been shown to promote lung metastasis in HCC, colorectal, laryngeal, breast and melanoma cancers through various molecular mechanisms and has been identified as a candidate diagnostic biomarker for ovarian cancer.

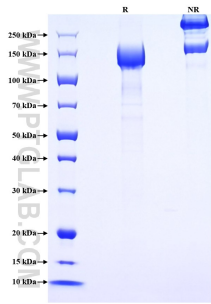
References

1. Rokavec M, et al. *Cancers (Basel)*. 2023;15(22):5316.
2. Liu W, et al. *Biol Direct*. 2024;19(1):115.
3. Zhou Y, et al. *Oncotarget*. 2017;8(20):33110-33121.

Synonyms

Ent, Entactin, Nid1, NID-1, Nidogen-1

Selected Validation Data



Purity of Recombinant Mouse NID1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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