

For Research Use Only

Recombinant Mouse NID1 protein (rFc Tag)



Catalog Number: Eg3030

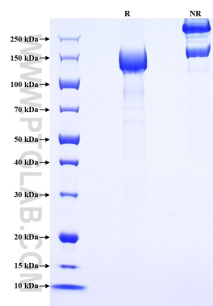
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse NID1 protein Leu29-Lys1245 (Accession# P10493) with a rabbit IgG Fc tag at the C-terminus. GeneID: 18073 Accession: P10493 Predicted Molecular Mass: 160.7 kDa SDS-PAGE: 125-200 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm 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		

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

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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.