

Bioactive

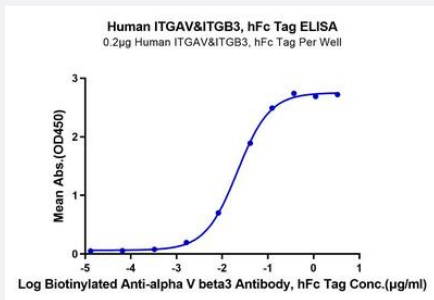
HuPro®

NID1 | PDGFRB (Human) Recombinant Protein

Catalog # P9724

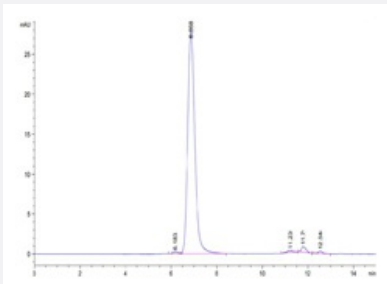
Size 100 ug

Applications



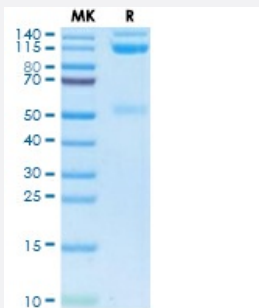
Enzyme-linked Immunoabsorbent Assay

Immobilized Human NID1 | PDGFRB, hFc Tag at 2 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-alpha V beta3 Antibody, hFc Tag with the EC50 of 21.5 ng/mL determined by ELISA.



SEC-HPLC

Human NID1 | PDGFRB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Tris-Bis PAGE

Human NID1 | PDGFRB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description

Human NID1 | PDGFRB (P06756-1 | P05106-1 Phe31 - Val992 & Gly27 - Asp718) partial recombinant protein with His tag and Flag tag at C-terminus expressed in HEK293 cells.

Sequence	Phe31 - Val992 & Gly27 - Asp718
Host	Human
Theoretical MW (kDa)	131.9
Form	Lyophilized
Preparation Method	Mammalian cell (Expi293, high-yield transient HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 21.5 ng/mL, measured by ELISA at 2 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC Human NID1 PDGFRB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%. Tris-Bis PAGE Human NID1 PDGFRB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human NID1 | PDGFRB, hFc Tag at 2 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-alpha V beta3 Antibody, hFc Tag with the EC50 of 21.5 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — NID1

Entrez GeneID	4811
Protein Accession#	P06756-1 P05106-1
Gene Name	NID1
Gene Alias	NID
Gene Description	nidogen 1
Omim ID	131390
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the nidogen family of basement membrane glycoproteins. The protein interacts with several other components of basement membranes, and may play a role in cell interactions with the extracellular matrix. [provided by RefSeq]
Other Designations	OTTHUMP00000037970 enactin entactin

Gene Info — PDGFRB

Entrez GeneID	5159
Protein Accession#	P06756-1 P05106-1
Gene Name	PDGFRB
Gene Alias	CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1
Gene Description	platelet-derived growth factor receptor, beta polypeptide
Omim ID	131440 173410
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq]
Other Designations	beta platelet-derived growth factor receptor platelet-derived growth factor receptor beta soluble PDGFRb variant 1

Pathway

- [Calcium signaling pathway](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Subdural Effusion](#)