Recombinant Mouse Npnt Protein, His-tagged

Cat. No. Npnt-1849M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Npnt Protein (His420-Cys561) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	His420-Cys561
Description	Enables integrin binding activity. Involved in several processes, including cell-cell adhesion mediated by integrin; pilomotor reflex; and positive regulation of alkaline phosphatase activity. Acts upstream of or within several processes, including branching involved in ureteric bud morphogenesis; positive regulation of cell-substrate adhesion; and positive regulation of transforming growth factor beta receptor signaling pathway. Located in basement membrane; extracellular region; and smooth muscle contractile fiber. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and sensory organ. Orthologous to human NPNT (nephronectin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.2 kDa Accurate Molecular Mass: 19 kDa
Purity	> 90%

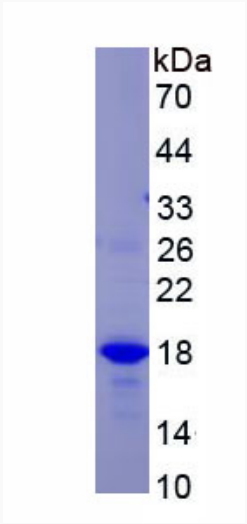
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Npnt nephronectin [Mus musculus (house mouse)]
Official Symbol	Npnt
Synonyms	NPNT; nephronectin; preosteoblast EGF-like repeat protein with MAM domain; Nctn; POEM; AA682063; AI314031; 1110009H02Rik;
Gene ID	114249
mRNA Refseq	NM_001029836
Protein Refseq	NP_001025007
UniProt ID	Q91V88

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA