

Recombinant Rat Npnt Protein, His-tagged

Cat. No. Npnt-2502R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Npnt Protein (Ile302-Cys558) with a N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ile302-Cys558
Description	Predicted to enable integrin binding activity. Predicted to be involved in several processes, including cell-cell adhesion mediated by integrin; pilomotor reflex; and positive regulation of alkaline phosphatase activity. Predicted to act 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. Predicted to be located in basement membrane; extracellular region; and smooth muscle contractile fiber. Orthologous to human NPNT (nephronectin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6 kDa Accurate Molecular Mass: 34 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
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	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Npnt nephronectin [Rattus norvegicus (Norway rat)]
Official Symbol	Npnt
Synonyms	Npnt; nephronectin; nephronectin
Gene ID	686753
mRNA Refseq	NM_001402176
Protein Refseq	NP_001389105

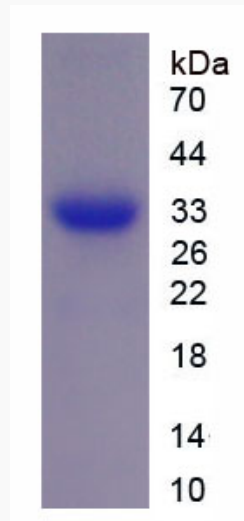
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UniProt ID

A0A0G2K8C1



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