Recombinant Mouse Nppc protein, His & GST-tagged

Cat. No. Nppc-718M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nppc aa. (Leu18~Lys104 (Accession # Q61839)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu18~Lys104
Description	This gene encodes a member of the natriuretic peptide family. Natriuretic peptides are involved in the control of blood pressure, extracellular fluid volume and electrolyte homeostasis. The encoded protein also plays a role in sensory neuron bifurcation, and is a critical regulator of endochondral bone growth. The encoded protein is a ligand for the natriuretic peptide receptor B, and is synthesized as a preprohormone which is cleaved to produce a mature peptide. Mutations in this gene are associated with dwarfism resulting from impaired endochondral ossification.
Form	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>92%

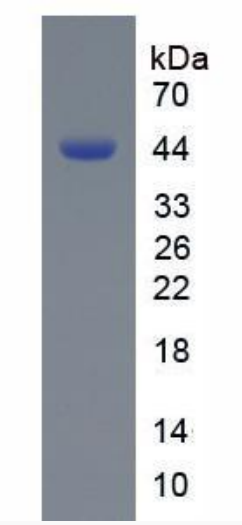
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Characteristic	The isoelectric point is 9.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200g/mL
Storage buffer	100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Nppc natriuretic peptide type C [Mus musculus (house mouse)]
Official Symbol	Nppc
Synonyms	Nppc; natriuretic peptide type C; CNP; lbab; C-type natriuretic peptide; natriuretic peptide precursor C; natriuretic peptide precursor type C
Gene ID	18159

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mRNA Refseq	NM_010933.5
Protein Refseq	NP_035063.1
UniProt ID	Q61839
SDS-PAGE	

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