

Recombinant Mouse Nppa protein, His & T7-tagged

Cat. No. Nppa-2690M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nppa aa. (Asn25~Arg122 (Accession # P05125)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Asn25~Arg122
Description	This gene encodes members of the natriuretic family of peptides that play an important role in the control of extracellular fluid volume and electrolyte homeostasis. The encoded protein precursor undergoes proteolytic processing to generate multiple functional peptides. Mice lacking the encoded peptides exhibit salt-sensitive hypertension. The transgenic overexpression of the encoded peptides in mice decreases arterial blood pressure without inducing diuresis and natriuresis. This gene is located adjacent to another member of the natriuretic family of peptides on chromosome 4.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 4.5.
Applications	SDS-PAGE; WB; ELISA; IP
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.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O

GENE INFORMATION

Gene Name	Nppa natriuretic peptide type A [Mus musculus (house mouse)]
Official Symbol	Nppa
Synonyms	ANP; Anf; Pnd; atrial natriuretic factor; atrial natriuretic peptide; natriuretic peptide precursor type A; prepronatriodilatin; natriuretic peptides A
Gene ID	230899
mRNA Refseq	NM_008725.3
Protein Refseq	NP_032751.1

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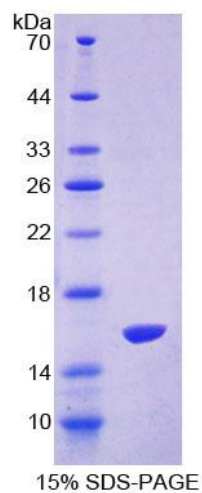
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UniProt ID

P05125

SDS-PAGE

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