

## Recombinant Mouse Nppa protein, His & T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Nppa aa. (Asn25~Arg122 (Accession # P05125)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn25~Arg122
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 14.3kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Characteristic</b>	The isoelectric point is 4.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH2O

## GENE INFORMATION

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

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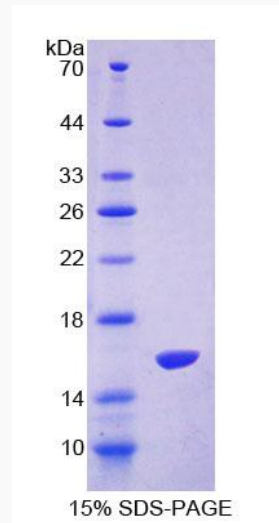
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UniProt ID

P05125

SDS-PAGE



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