

## Recombinant Human NPPA protein, His-tagged

Cat. No. NPPA-35H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NPPA fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-151 aa
<b>Description</b>	<p>The protein encoded by this gene belongs to the natriuretic peptide family. Natriuretic peptides are implicated in the control of extracellular fluid volume and electrolyte homeostasis. This protein is synthesized as a large precursor (containing a signal peptide), which is processed to release a peptide from the N-terminus with similarity to vasoactive peptide, cardiodilatin, and another peptide from the C-terminus with natriuretic-diuretic activity. Mutations in this gene have been associated with atrial fibrillation familial type 6. This gene is located adjacent to another member of the natriuretic family of peptides on chromosome 1.</p>
<b>Form</b>	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
<b>Molecular Mass</b>	16.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Storage</b>	Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** [NPPA natriuretic peptide A \[ Homo sapiens \]](#)

**Official Symbol** [NPPA](#)

**Synonyms** NPPA; natriuretic peptide A; ANP, natriuretic peptide precursor A , PND; natriuretic peptides A; atriopeptin; cardionatrin; prepronatriodilatin; natriuretic peptide precursor A; ANF; ANP; PND; ATFB6; CDD-ANF;

**Gene ID** [4878](#)

**mRNA Refseq** [NM\\_006172](#)

**Protein Refseq** [NP\\_006163](#)

**MIM** [108780](#)

**UniProt ID** [P01160](#)

**Chromosome Location** 1p36.21

**Pathway** Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Gene expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; YAP1- and WWTR1 (TAZ)-stimulated gene expression, organism-specific biosystem;

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**Function**

hormone activity; peptide hormone receptor binding; receptor binding; receptor binding;

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