

# Recombinant Full Length Human NPPA Protein, GST-tagged

Cat. No. NPPA-6641HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human NPPA full-length ORF ( AAH05893, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	153 amino acids
<b>Description</b>	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. [provided by RefSeq]
<b>Molecular Mass</b>	42.57 kDa
<b>AA Sequence</b>	MSSFSTTTVSFLLLLAFQLLGGQTRANPMYNAVSNADLMDFKNLLDHLEEKMPLEDEV VPPQVLSEPNEEAGAALSPLPEVPPWTGEVSPAQRDGGALGRGPWDSSDRSALLK SKLRALLTAPRSLRRSSCFGGRMDGIGAQSGLGCNSFRYRR
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	NPPA natriuretic peptide A [ Homo sapiens ]
<b>Official Symbol</b>	NPPA
<b>Synonyms</b>	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;
<b>Gene ID</b>	4878
<b>mRNA Refseq</b>	NM_006172
<b>Protein Refseq</b>	NP_006163
<b>MIM</b>	108780
<b>UniProt ID</b>	P01160

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