

Recombinant Human NPPA Protein, GST-tagged

Cat. No. NPPA-6041H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human NPPA full-length ORF (AAH05893, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	42.57 kDa
AA Sequence	MSSFSTTTVSFLLLLAFQLLGQTRANPMYNAVSNADLMDFKNLLDHLEEKMPLEDEV VPPQVLSEPNEEAGAALSPLPEVPPWTGEVSPAQRDGGALGRGPWDSSDRSALLK SKLRALLTAPRSLRRSSCFGGRMDGIGAQSGLGCNSFRYRR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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