

Recombinant Full Length Human NPPA Protein

Cat. No. NPPA-347HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ANP with N terminal proprietary tag; Predicted MWt 42.57 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	153 amino acids
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.
Form	Liquid
Molecular Mass	42.570kDa inclusive of tags
AA Sequence	MSSFSTTTVSFLLLLAFQLLGQTRANPMYNAVSNADLMDF KNLLDHLEEKMPLEDE VVPQVLSEPNEEAGAALSPLPEV PPWTGEVSPAQRDGGALGRGPWDSSDRSAL LKSKLRALLT APRSLRRSSCFGGRMDGIGAQSGLGCNSFRYRR

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Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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
Gene ID	4878
mRNA Refseq	NM_006172
Protein Refseq	NP_006163
MIM	108780
UniProt ID	P01160

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