

Recombinant Full Length Human NPPA Protein, Flag tagged

Cat. No. NPPA-22HFL Lot. No. (See product label)

SPECIFICATION

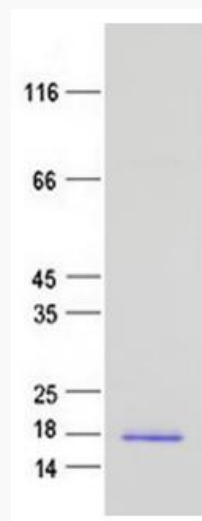
Product Overview	Recombinant Full Length Human NPPA Protein with Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-151 aa
Description	The protein encoded by this gene belongs to the natriuretic peptide family. Natriuretic peptides are implicated in the control of extracellular 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. This gene is located adjacent to another member of the natriuretic family of peptides on chromosome 1.
Form	25 mM Tris-HCl, 100 mM glycine, and 10% glycerol, 250 mM NaCl, pH 7.3
Molecular Mass	17.39 kDa
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	88.3% by SDS-PAGE

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Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions.
Concentration	0.12 mg/mL by Bradford
GENE INFORMATION	
Gene Name	NPPA natriuretic peptide A [Homo sapiens (human)]
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; ATRFB6; CDD-ANF;
Gene ID	4878
mRNA Refseq	NM_006172
Protein Refseq	NP_006163
MIM	108780
UniProt ID	P01160

SDS-PAGE and WB

Purified recombinant human NPPA protein was analyzed by Tricine-SDS-PAGE 12% gel, run with Tris-Glycine running buffer.

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