

Recombinant Human NPPA Protein, His&GST-tagged

Cat. No. NPPA-1850H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPPA Protein (Lys41-Tyr151) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys41-Tyr151
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.0 kDa Accurate Molecular Mass: 47 kDa
Purity	> 80%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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; ATFB6; CDD-ANF;
Gene ID	4878
mRNA Refseq	NM_006172
Protein Refseq	NP_006163

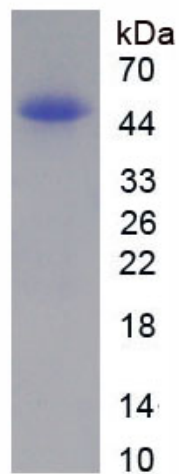
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MIM 108780

UniProt ID P01160



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