PRODUCT INFORMATION

Target	NPPA
Synonyms	ANF; ANP; CDD; CDP; PND; ATFB6; ATRST2; CDD-ANF
Description	Recombinant human NPPA Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P01160
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	NPPA(Asn26-Tyr151) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 39.8 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Oct 2015]
Usage	Research use only
Conjugate	Unconjugated

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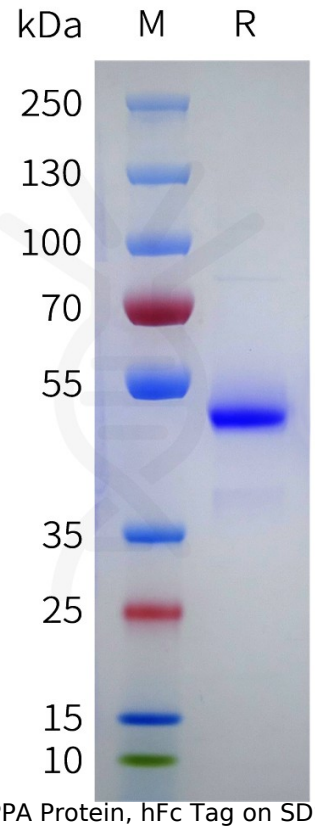


Figure 1. Human NPPA Protein, hFc Tag on SDS-PAGE under reducing condition.

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