

N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP) Recombinant Protein | NT-ProANP recombinant protein

Recombinant N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP)

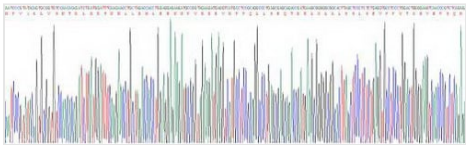
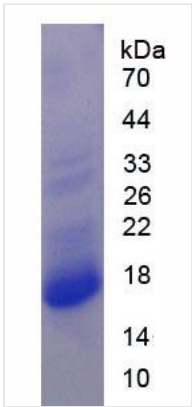
CATALOG # AAA147860	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP); Recombinant N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP); ANH; ANF; PND; NPPA; CDD-ANF; Atrial Natriuretic Factor; Atrial Natriuretic Hormone; Atriopeptin; Natriuretic Peptide Precursor A; Prepronatriodilatin; Cardiodilatin-related peptide; NT-ProANP recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	Freeze-dried powder; 20mM Tris, 150mM NaCl, pH 8.0, containing 0.01% Sarcosyl, 5% Trehalose
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for NT-ProANP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Asn25~Arg122
Tags	N-terminal His Tag
Subcellular Location	Secreted
Predicted isoelectric point	5.2
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: 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 degree C 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.



Application Data

SDS-PAGE

NPVYSA VSNTDLMDFK NLLDHLEEKM
PVEDEVMPQK ALSEQTDEAG AALSSLSEVP PWTGEVNPSQ RDGGALGRGP
WDPSDRSALL KSKLRALLAG PRLEHHHHHH

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	113870
NCBI GeneID	24602
UniProt Accession #	P01161
Molecular Weight	Predicted Molecular Mass: 12.9kDa Accurate Molecular Mass: 17kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	Natriuretic peptides A
NCBI Official Synonym Full Names	natriuretic peptide A
NCBI Official Symbol	Nppa
NCBI Official Synonym Symbols	ANF; ANP; Pnd; RATANF
NCBI Protein Information	natriuretic peptides A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	Nppa
UniProt Synonym Gene Names	ANF; ANP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.