

Native Rat Natriuretic Peptide B

Cat. No. Nppb-5459R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Nppb is a 32 aa peptide secreted by the ventricles of the heart in response to excessive stretching of myocytes in the ventricles. A high concentration of this protein in the bloodstream is indicative of heart failure.
Species	Rat
Source	Rat
Description	Native Rat Nppb, also known as Brain Natriuretic Peptide-32 (BNP32) is a member of the natriuretic peptide family and is a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis.
Form	Trifluoroacetate Salt.
AA Sequence	Asn-Ser-Lys-Met-Ala-His-Ser-Ser-Ser-Cys-Phe-Gly-Gln-Lys-Ile-Asp-Arg-Ile-Gly -Ala-Val-Ser-Arg-Leu-Gly-Cys-Asp-Gly-Leu-Arg-Leu-Phe
Purity	≥99%
Storage	Store at -20°C.

GENE INFORMATION

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Gene Name	Nppb natriuretic peptide B [Rattus norvegicus]
Official Symbol	Nppb
Synonyms	NPPB; natriuretic peptide B; natriuretic peptides B; iso-ANP; Brain natriuretic factor; brain natriuretic peptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B; natriuretic peptide precursor type B; BNP; Bnf;
Gene ID	25105
mRNA Refseq	NM_031545
Protein Refseq	NP_113733
Chromosome Location	5q36
Function	hormone activity; peptide hormone receptor binding; receptor binding;

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