Native Human Brain Natriuretic Peptide 32

NPPB-8050H   Human(NPPB)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview
Human Brain Natriuretic Peptide 32 was purified from Human Brain.

Description
Brain Natriuretic Peptide (BNP-32) (also known as B-type natriuretic peptide or "GC-B") is a 32-amino-acid polypeptide secreted by the ventricles of the heart in response to excessive stretching of myocytes (heart muscle cells) in the ventricles. At the time of release, a co-secreted 76 amino acid n-terminal fragment (NT-proBNP) is also released with B-type natriuretic peptide BNP. B-type natriuretic peptide BNP binds to and activates NPRA in a similar fashion to atrial natriuretic peptide but with 10-fold lower affinity. The biological half-life of BNP however, is twice as long as that of ANP. Both ANP and B-type natriuretic peptide BNP have limited ability to bind and activate NPRB.

Source
Human Brain

Species
Human

Form
Lyophilized, Acetate Salt

Purity
>99% pure

PACKAGING

Storage
-20 °C

ANTIGEN GENE INFORMATION

Gene Name
NPPB natriuretic peptide B [ Homo sapiens ]

Official Symbol
NPPB

Synonyms
NPPB; natriuretic peptide B; natriuretic peptide precursor B; natriuretic peptides B; natriuretic protein; brain type natriuretic peptide; gamma-brain natriuretic peptide; BNP;

GeneID
4879

mRNA Refseq
NM_002521

Protein Refseq
NP_002512

MIM
600295

UniProt ID
P16860

Chromosome Location
1p36.2

Pathway
MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem;

Function
diuretic hormone activity; hormone activity; peptide hormone receptor binding; receptor binding; receptor binding;