Synthesized Human B-type Natriuretic Peptide

Cat. No. NPPB-1857H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	B-type Natriuretic Peptide Human is a polypeptide chain containing 32 amino acids and having a molecular mass of 3464 Dalton. The molecular formula is:C143H244N50O42S4.
Species	Human
Description	Natriuretic Peptide Precursor B acts as a cardiac hormone with a variety of biological actions including natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. It is thought to play a key role in cardiovascular homeostasis. Helps restore the body's salt and water balance. Improves heart function.
Form	Sterile Filtered White lyophilized (freeze-dried) powder. The protein was lyophilized without additives.
AA Sequence	SPKMVQGSGCFGRKMDRISSSSGLGCKVLRRH.
Purity	Greater than 95.0% as determined by RP-HPLC.
Storage	Lyophilized B-type Natriuretic Peptide although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution B-type Natriuretic Peptide should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized B-type Natriuretic Peptide in sterile

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	18MΩ-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

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;
Gene ID	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;

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