

Recombinant Human BNP Protein

Cat. No. BNP-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BNP Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	32 amino acids
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.
Bio-activity	Data Not Available.
Molecular Mass	3464 Da, a single non-glycosylated polypeptide chain containing 32 amino acids.
AA Sequence	SPKMVQSGSGCFGRKMDRISSSSSGLGCKVLRH
Endotoxin	Less than 1 EU/μg of rHuCNTF as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analyses.

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Storage

This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 or -70 centigrade. Avoid repeated freeze/thaw cycles.

Storage Buffer

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION**Official Symbol**

BNP

Synonyms

Brain Natriuretic Peptide; BNP

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