
Product Data Sheet

Product Name: BNP (27-102) Human

Cat. No.: GP20123

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	NPPB; Natriuretic Peptide Precursor B; BNP; B-type Natriuretic Peptide.		
Amino Acid Sequence	MKHHHHHPL GSPGSASDLE TSGLQEQRNH LQGKLSLELQV EQTSLEPLQE SPRPTGVWKS REVATEGIRG HRKMVLYTLR APR.		
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. BNP is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	BNP filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20 mM Tris buffer and 50 mM NaCl, pH 7.5.		

Introduction

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.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

BNP Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 27-102) containing 83 amino acids including a 7 a.a N-terminal His tag. The total molecular mass is 9.4kDa (calculated).

Caution: Product has not been fully validated for medical applications. For research use only.

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