

Recombinant Human Natriuretic Peptides B, aa 1-108

Cat. No. NPPB-2683H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Natriuretic Peptides B (aa 1-108) is expressed in <i>E. coli</i> .
Species	Human
Source	E.coli
Protein Length	1-108 a.a.
Description	BNP (Brain natriuretic peptide) is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. BNP is a 32 amino acid polypeptide and is co-secreted along with a 76 amino acid N-terminal fragment which is biologically inactive. This protein has biological actions including natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion. It is thought to play a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure.
Sequence	GRAPLGSPGSA SDLETSGLQEQRN HLQGKLSELQVEQTSLEPL QESPRPTG VWKSREVATEG IRGHRKMLVLYT LRAPRSPKM VQSGSGCFG RKMDRISSSS GLGCKVLRHM.
Purity	Over 95% pure by PAGE.
Buffer	50 mM Tris, 100 mM NaCl, pH 7.4.
MW	8390 Da.

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Contents	10 µg/100 µg (lyophilized).
Storage	2-8 °C (lyophilized); - 20 °C (dissolved); Repeated thawing and freezing must be avoided.
GENE INFORMATION	
Gene Name	NPPB natriuretic peptide precursor B [Homo sapiens]
Synonyms	NPPB; Natriuretic peptides B; BNP; OTTHUMP00000002506; OTTHUMP00000044486; Gamma-brain natriuretic peptide; brain type natriuretic peptide; natriuretic peptide precursor B; natriuretic protein; Gamma-brain natriuretic peptide; GC-B
Gene ID	4879
mRNA Refseq	NM_002521
Protein Refseq	NP_002512
MIM	600295
UniProt ID	P16860
Chromosome Location	1p36.2
Function	diuretic hormone activity