



# Human NPPB peptide (DAG269)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Human pro-Brain Natriuretic Peptide, N-terminal (NT-proBNP), Recombinant. Immunoreactivity is confirmed by reaction with monoclonal antibodies specific to different fragments of NT-proBNP molecule. Predicted molecular mass 8,589 Da confirmed by MALDI-MS. Cont
<b>Antigen Description</b>	The N-terminal prohormone of brain natriuretic peptide (NT-proBNP) is a 76 amino acid N-terminal fragment of brain natriuretic peptide. Both BNP and NT-proBNP levels in the blood are used for screening, diagnosis of acute congestive heart failure (CHF) and may be useful to establish prognosis in heart failure, as both markers are typically higher in patients with worse outcome. The plasma concentrations of both BNP and NT-proBNP are also typically increased in patients with asymptomatic or symptomatic left ventricular dysfunction.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Affinity Purified, Liquid
<b>Concentration</b>	0.90 mg/ml
<b>Buffer</b>	10mM Potassium phosphate, pH 7.4 containing 150mM Sodium chloride
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

**Introduction** Cardiac hormone which may function as a paracrine antifibrotic factor in the heart. Also plays a key role in cardiovascular homeostasis through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3.

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**Keywords** BNP; natriureticpeptides B; OTTHUMP00000002506; natriuretic protein; brain type natriureticpeptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B

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## GENE INFORMATION

**Entrez Gene ID** [4879](#)

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**UniProt ID** [P16860](#)

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