

NPPB (Human) Recombinant Protein

Catalog # P8492

Size 2 x 10 ug

Specification

Product Description	Human NPPB (P16860, 27 a.a. - 102 a.a) partial-length recombinant protein with His-tag at N-terminal expressed in <i>Escherichia coli</i> .
Sequence	MKHHHHHHPLGSPGSASDLETSGLQEQRNHLQGKLSLQVEQTSLEPLQESPRPTGVWKSREV ATEGIRGHRKRMVLYTLRAPR.
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	9.4
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE
Storage Buffer	BNP filtered (0.4 um) and lyophilized from 0.5mg/mL in 20 mM Tris buffer and 50 mM NaCl, pH 7.5.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — NPPB

Entrez GeneID	4879
Protein Accession#	P16860
Gene Name	NPPB
Gene Alias	BNP

Gene Description	natriuretic peptide precursor B
Omim ID	600295
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq]
Other Designations	OTTHUMP00000002506 OTTHUMP00000044486 brain type natriuretic peptide natriuretic protein

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Heart Failure](#)

- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Renal Artery Obstruction](#)
- [Ventricular Dysfunction](#)