

Product datasheet for **TP720133**

BNP (NPPB) (NM_002521) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human natriuretic peptide precursor B (NPPB)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	His27-His134
Tag:	N-His
Predicted MW:	14.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, 1mM DTT, 20% Glycerol, pH 7.4.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002512
Locus ID:	4879
UniProt ID:	P16860
Cytogenetics:	1p36.22
Synonyms:	BNP; Iso-ANP


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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. The presence of myocardial injury is a significant predictor of mortality in hospitalized coronavirus disease 2019 (COVID-19) patients, and there is evidence of increased levels of natriuretic peptide B in hospitalized non-survivor COVID-19 patients. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq, Aug 2020]

Protein Families:

Druggable Genome, Secreted Protein, Stem cell - Pluripotency

Product images:
