

Product datasheet for TP720133M

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:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per μg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP 002512</u>
Locus ID:	4879
UniProt ID:	<u>P16860</u>
Cytogenetics:	1p36.22
Synonyms:	BNP; Iso-ANP



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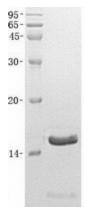
OriGene Technologies, Inc.

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ORIGENEBNP (NPPB) (NM_002521) Human Recombinant Protein - TP720133MSummary: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:



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