

Recombinant Human NPPB Protein, GST-tagged

Cat. No. NPPB-1298H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPPB Protein (37-71aa) was expressed in E. coli with N-terminal His-SUMO tag.
Species	Human
Source	E.coli
ProteinLength	37-71 a.a.
Description	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 protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Mutations in this gene have been associated with postmenopausal osteoporosis.
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	31.0 kDa
AA Sequence	DLETSGLQEQRNHLQGKLSLQVEQTSLEPLQESP
Purity	Greater than 90% as determined by SDS-PAGE.

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Storage

The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name NPPB natriuretic peptide B [Homo sapiens (human)]

Official Symbol NPPB

Synonyms BNP; NPPB

Gene ID 4879

mRNA Refseq NM_002521.2

Protein Refseq NP_002512.1

MIM 600295

UniProt ID P16860

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